# Behind Enemy Lines A Benchmarking Report of Competitor Websites



Lindsay Corry Therese Joseph Mu-Hwa Kuo

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This report is for the Computer Science Department (CSD) at Carnegie Mellon University (CMU). This report will be used to benchmark computer science department websites in direct competition with the CMU CSD website. The process of benchmarking allows us to see what other universities are doing better, the same, or worse. The process also helps us determine ways we can improve the CSD website moving forward.

# **Competitor Schools**

We chose to benchmark six out of the eight top competitor schools: Stanford University, Massachussetts Institute of Technology (MIT), University of Washington (UW), University of California Berkeley, Cornell University, and Brown University.

# Key Findings

We came up with eight benchmarking points to compare across the schools. We chose these criteria based on the user experience. When a prospective student visits a college website, these are the components that affect them the most.

- <u>Navigation</u>: It is common to have a main navigational menu across the top, with a subnavigational menu on the left side of the page. The least successful websites deviated from this, or had either too many or no drop down tabs in their navigation headers.
- <u>Page Layouts:</u> Homepages with banners across the top or middle are the most visually impressive. Search bars, footers, and images/photographs appear on the most helpful sites. Having a grid of more than four modules makes the page too cluttered.
- <u>Faculty Pages</u>: The most successful sites have a unified look and feel among their faculty pages. Having a hyperlinked search option and photographs are useful as well.
- <u>Degree Levels</u>: Sites that separate information for prospective students and current students are more easily navigable.
- <u>Research and Faculty Interests:</u> The most successful sites not only clearly group and label the areas of research and faculty interests, they have an obvious search function for them as well.
- <u>Faculty and Student Projects:</u> CMU and Stanford are the only schools that showcase projects on their websites.
- <u>Program Identity:</u> There's only one chance to make a first impression. The schools that make the strongest on their webpages had a well-developed sense of identity, school pride, and department branding.
- <u>Targeting Industry:</u> CMU and Stanford are the only schools that do not address industry affiliates in any way.

This report is for the Computer Science Department (CSD) at Carnegie Mellon University (CMU). This report will be used to benchmark the competitor universities computer science department websites in comparison to the CMU CSD website. The process of benchmarking allows us to see what other universities are doing better, the same, or worse, and how we can improve the CSD website based off this information.

During our discussion with Jordan Harrison and Jennifer Landefeld we were told that, in order, Stanford University, Massachusetts Institute of Technology (MIT), University of Washington (UW), Georgia Tech, University of California Berkeley, Cornell University, Princeton University, and Brown University are the universities that are chosen over CMU by prospective students. With this information we examined the eight competitor school websites and decided we would benchmark against Stanford, MIT, UW, Berkeley, Cornell, and Brown. The way we came to this decision is by choosing the schools that exemplify a certain section of their website better than CMU's CSD website, or one of the other competitor schools.

In this report we discuss and compare navigation, page layouts, faculty pages, program level webpages, research and faculty interests, faculty and student projects, program identity, and targeting industry companies. We show how each university designed their website to showcase these subjects and highlight the pros and cons of how they displayed the information.

Our tactics behind benchmarking are centered around the users needs. Based off of our users, tasks, and content analysis report, and our meeting with Jordan Harrison and Jennifer Landefeld, we discovered that the above topics were of utmost concern in improving the CSD website.



Choosing a college is like dating. You try to find out all you can about that college because how else can you determine the two of you are fit for each other? If you choose wrong, you're stuck together for four years. Worse yet, you could regret your decision for the rest of your life.

So you choose, and you choose carefully. In the world of choosing colleges, the college website is the other person's personal profile—you fall in love with the idea of the college, before you ever meet it.

Is the layout cluttered or tidy? Do you connect with the research, the culture, or the people? Is the presentation of content attractive? How easy is the... navigation?

These very human questions created the framework of our study. The primary users of the college website are prospective students, who will be picking apart these colleges around admission season—and they better like what they see.

# What did we do?

We created eight benchmarking points based around the concerns of the primary users. Their ability to access content, the functionality and usability of the website, and the users' overall impressions of the school established our criteria.

Navigation	We hold user experience to be king, and the students' ability to get around the website is the crown. We analyzed how the information architecture differ from college to college, how intuitive the labels are, and what the colleges prioritize based on their hierarchy of pages.
Page Layouts	How the colleges present information on their webpages greatly influences the overall impression of the school. Here, we analyze how the presentation help or hinder the access of information.
Degree Level Pages	These pages are where all of the prospective students want to end up. Here, we determine how navigable these pages are to the primary users by analyzing the groupings and labels of the different degree level pages.
Faculty Pages	We analyze the presentation and accessibility of content in these pages because, well, the students are stuck with these people for years.

Research and Faculty Interests	Similar to the faculty pages, here we analyze the presentation and accessibility of content. The research that takes place and the faculty who teach in these colleges are usually the deciding factors for graduate level prospective students.
Faculty and Student Projects	Navigability, intuitive labelling, and presentation of content are also important here, not just for prospective students but for those nebulous, almost sinister, outside forces which determine a school's reputation—like parents.
Program Identity	The homepage is where the first impression of a college starts to form. We analyze here the "face" of the college website, including what colors they used, what pictures they choose to portray themselves, and what content they consider important enough to show off to strangers.
Targeting Industry Companies	Hiring managers might be worse than parents when it comes to people you try to impress.

# Who's the Competition?

We started with a list of eight competitors. These are the schools that students, who were accepted by CMU's CSD, choose to attend over CMU.

We looked for the outliers: the great successes, and the great failures. We thought that by covering both ends of the spectrum, we stand to learn the most.

We decided to benchmark these schools	
Stanford	Stanford University has the top comput- er science program in the country, and more students chose Stanford over CMU than any other school.
MIT	MIT's Electrical Engineering and Com- puter Science has a distinctive identity, separate from MIT, which they choose to display in a way that is not like any of the schools on the list.
UW	UW's website addresses its users direct- ly via their main navigation menu. Current students, prospective students, faculty candidates, and industry affiliates will all know exactly where they fit on the UW site.

# Methodology (cont.)

We decided to benchmark these schools	
Berkeley	Berkeley's website content consists mostly of hyperlinks, which makes for very precise grouping and organization, and very bad visual design.
Comell	Cornell chose to showcase all of its ar- eas of research on the front page, where most other schools chose to feature select projects.
Brown	Brown has the simplest navigation and content strategy. It is also the most informal out of all of the schools.

We decided AGAINST these schools	
Princeton	While their navigation menu is the most interactive out of the bunch, when it comes to content strategy, Princeton does not stand out from the rest.
Georgia Tech	Georgia Tech's School of Computer Science is within their College of Computing, and within that college are many other computer science schools. Since their programs tend to bridge multiple schools and departments, we decided against benchmarking Georgia Tech because their programs are not as clearly defined as the others.

# Navigation



### **Overview**

The universities that we benchmarked generally had the navigation menu fixed across the top of the whole webpage, with drop down tabs that would direct the user to a second tier page. There is also commonly an additional navigation menu on the left of the second tier pages. All of the websites had the main labels "People" and "Research". And four of the six universities had the main label "About".

# Location of Navigation Menu(s)

# <text><text><text><text><section-header><section-header><section-header>



### STANFORD

Main navigation: fixed in the top right

Sub-navigation: on the left of the "About Us", "People", "Education", and "Resources" pages





# MIT

Main navigation: fixed at the top

Sub-navigation: top of the "research" page

on the left of the "Academics & Admissions", "People", "News & Events", and "Outreach" pages

# Navigation (con't)





### UW:

Main navigation: fixed across the top of the whole page

Sub-navigation: on the left of the "News & Events", "People", "Education", "Current Students", "Alumni", and "Industry Affiliates" pages

Main navigation: Fixed across the top

# <text><text><text><text><text><text><image><image><image><image>



### and on the left

BERKELEY:

### CORNELL:

M.ENG. PH.D.

Homepage navigation: top left Main navigation: fixed across the top of every page besides the homepage Sub-navigation: on the left side of the page.





### BROWN:

Main navigation: fixed on the top Sub-navigation: under the main navigation bar on the top of second tier pages

# Navigation (con't)

# Hierarchy of Tasks\*













BROWN









# Page Layouts



# **Overview**

The common layout for the homepage among the universities we decided to benchmark was a three-grid layout with a banner on the top. The universities that had a three-grid layout tended to have a section on "Events" and "News". All of the universities, with the exception of MIT, had their second tier pages as a single-grid layout.



Every page: header and footer





### MIT

Homepage: Dynamic grid layout – Picture and part of article.

Second tier: Dynamic grid layout, and a short explanation of the page.

Every page: Header and footer. The footer disappears after loading content.

# Eve

# Page Layouts (con't)

### Homepage





### UW

Homepage: On the top of page there is a banner with rotating pictures paired with a description. Underneath the banner is a three grid layout – with sections titled "welcome", "news", and "events".

Second tier: Single-grid layout Every page: Header and footer

MAIN NAVIGATION MENU		
9000		



### BERKELEY

Homepage: Two-grid layout Second tier: Single-grid Every page: Header and footer

MAIN NAVIGATION MENU	BANNER	



# CORNELL

Homepage: Banner across the top. Three grid layout with titles "CS Research" and "CS News".

Second tier: Single grid – navigation bar and information relating to what selected.

Every page: Footer





### BROWN

Homepage: Banner on the top. Three-grid layout titled "News", "CS Blog", and "Events".

Second tier: Single-grid

Every page: Footer

# Faculty Pages



### **Overview**

All of the faculty pages are in alphabetical order. UW and Berkeley also provided a way to jump to a specific part of the page by providing a hyperlink alphabet at the top of the page. An identification tactic that is useful is to provide a photo of each faculty member. It was also common to see a faculty's email included on the main faculty page.

The individual faculty pages tended to be different from one another. Some of the universities had a standard layout for faculty but not the entire faculty used the layout, this made the website seem varied. Berkeley and Brown had a standard layout for the faculty; this made the website very uniform and organized.

# Layout & Content

		About Us People	Education Research Con	mputer Forum Wiki Resources
Virectory	Home + People + Faculty			
Faculty	Faculty			
Students	Regular Faculty			
Autom	51 sessie			
	Name -	Dhave	08	
	Alex Aiken	5-3359	GATES 411	aken
	Serafim Batzoolou	3-3334	Clark \$266	serafm
	Gil Belerano	650 723-7666	Beckman B321	Click here
	Michael Bemstein	4-1248	Gates 308	msb
	Den Boreh	5-3897	GATES 475	dabo
	David Cheriton	3-1131	GATES 439	cheriton
	Steve Cooper	723-9798	Gates 190	
	Bill Dally	5-8945	GATES 301	
	David Dill	5-3642	GATES 344	dill
	Dewson Engler	3-0762	GATES 314	
	Ron Fedkiw		GATES 207	
	Hector Garcia-Molina	3-0685	GATES 434	hector
	Mike Genesereth	3-0934	GATES 220	
	Leonidas Gulbas	3-0304	CLARK S293	guites
	Patrick Hanrahan	3-8530	GATES 370	hantahan
	John Hennessy	3-2481	BLDG 10	
	Mark Horowitz	6-3707	GATES 305	horowitz
	Sachin Kati	650-724-8960	Gates 342	skati
	Oussama Khatb	3-9753	GATES 144	khatb
	Daphne Koller	3-6598	GATES 154	koller
	Christos Kozyrakis	5-3716	Gates Hall 304	christos.kozyrakis
	Anshul Kundeje	650-723-2353	Lane L301	
	Monica Lam	5-3714	GATES 307	lam
	long Landstown	725.3744	Galax 418	is the

### STANFORD

Navigation: alphabetical order

Presentation: set up like a table with the faculty names on the left followed by their phone number, office, and email. Individual Profiles: different

sle	Faculty & Advis	ors		SHARE: 💽	
itty & Advisors	O Labs	Areas	т	hemes	
nti ent Groups	Contract of the series of the	Harden Harden Kan drage Arbeing Harden State Harden State	Understeinen Aussiss herbeiten Aussiss herbeiten af Aussiss herbeiten ein der Aussissen ein der Aussissen ein der Aussissen auf Aussissen ein der Aussissen auf Aussissen ein der Aussissen auf Aussis	Anterna de la construcción de la	Advantage of the second
	Sama Anarasige Professor of Computer EEGS Department Co-	Dinitif Antoniadis Ray and Maria Stata Professor of Ekcirkal Engineering	Arvid Carls W. & Imster C. Shrinson Professor in Compared Science and	Artur Tageroer Portisser of Mechanical Cerem and Rectrical Engineering	Harl Balakrishnan Fujtu Professor of Computer Science and Engineering

# MIT

Navigation: alphabetical order

Presentation: Dynamic grid layout. Each box holds a picture of the faculty/advisor, their role/title, email, phone number, labs, areas, and themes.

Individual Profiles: different, but some are the same

# Faculty Pages (con't)







### UW

Navigation: alphabetical order, hyperlink alphabet at the top of the page, and a navigation bar on the left.

Presentation: Each faculty member has a photo, his or her name, email, and area of study listed.

Individual Profiles: Most of the faculty pages have a standard layout but there are a few faculty pages that differ from the rest.

### BERKELEY

Navigation: Six text links with a description of what the links direct to: Faculty List, Faculty Emeriti List, Visiting Faculty, New Faculty, EECS Administrative Officers, Faculty Awards.

If you press "faculty list" than it directs the user to a page with all the faculty listed in alphabetical order and a hyperlink alphabet at the top of the page.

Presentation: Includes a picture, name, title, office location, number, email, research interests, office hours, and teaching schedule.

Individual Profiles: Standard layout which includes a photograph, name, title, research areas, research centers, teaching schedule, biography, and selected publications. On the right of the page is contact information, office hours, and research support officer. On the left are links to their personal homepage, projects, publications, and dissertations.

# Faculty Pages (con't)



### CORNELL

Navigation: alphabetical order

Presentation: Two-grid layout. There is a is a photograph of each faculty member, their name, role/job, department (?ECE, CS Field Member), where and when they received their Ph.D., and their research focus.

Individual Profiles: Different



### Thomas W. Doeppner

Associate Professor (Research) of Computer Science and Vice Chair **Contact Information** Box 1910 Bown University Providence, RI 02912 Personal home page: Personal home page: Lower Computer Compu

Research Areas Operating Systems and Distributed Syste Parallel Computing Security

Courses Taught CSCI1670 Operating Systems CSCI1680 Operating Systems Laboratory CSCI0330 Introduction to Computer Systems

### Research Interests

Tomas Deeppervise interested in operating systems and everything related to them. He wrote one of the first threads packages for Unix and has dabited in threads and concurrency ever anice. With the help of a number of top undergraduate students, he worked on tools for measuring and analyzing performance of concurrent programs, particularly on helperdememory multiprocessors. He also designed and implemented an object-oriented threads package for C++, using ideas borrowed from Sun's Spring operating system.

More recently, he worked with wireless devices and mobile computers, building an infrastructure for sharing information in acting a sub-sectory as locations, and face to face meetings. He is currently interested in the area of accentics surface surgesting and the sectory of the sectory of

### BROWN

Navigation: alphabetical order

Presentation: Five columns with the faculty members name and picture. Under the faculty is a list of adjunct and visiting faculty and postdoctoral researchers.

Individual Profiles: Standard layout which includes their name, title, contact information, research areas, courses taught, and research interests.

# Degree Level Pages



### **Overview**

For this section, we looked at the degree levels offered at CMU and its competitor colleges, and we evaluated the navigability and accessibility of their program pages. We look at how the sites labeled their pages, how they group the degrees, whether they address current or prospective students, and what it takes to go from one section to another.

# CMU

CMU's site was the most difficult to navigate due to the lack of intuitive labelling and confusing visual hierarchy. The site also mixed content for prospective students and current students. There are significant amounts of outdated or broken links.

# **Stanford and MIT**

Stanford and MIT scored on the high end of this scale, because of their intuitive labelling and their logical hierarchy.

# UW

UW's website was the most easily navigable site when it comes to finding information about the degree programs. It offers, on the homepage, pathways for its potential users. Prospective students are able to access admission information with one click.

# **Berkeley, Cornell and Brown**

These schools scored lower because they are more difficult to navigate because they contain illogical groupings and confusing labellings.

CARNEGIE MELLON UNIVERSITY

# Roadmap

For students starting at the homepage, this is the pathway towards the information of degree programs available at CMU.



# **Bachelors**

Clicking on the "Bachelors" subheading will take you a page with a list of four Bachelor of Science degrees, three of which are not within the CMU Computer Science department.

These will link you off the CMU , Computer Science Dept's website.

# SCS Bachelor Degrees, Double Major, and Minor Offerin

### **Bachelor of Science in Computer Science**

The Bachelor of Science program in Computer Science combines a solid core in another area through a required minor in a second subject. In addition, th humanities courses. As computing is a discipline with strong links to many fi pursue allied (or non-allied) interests.

### **Bachelor of Science in Computational Biology**

The School of Computer Science and Mellon College of Science have joined for leading to a B.S. in Computational Biology. The goal of this new degree progre able outstanding students to become leaders in identifying and solving tor

### **Bachelor of Computer Science and Arts**

The BCSA Program was created in 2008 by the College of Fine Arts and the s conceptual foundation for students interested in pursuing fields which compr computer animation, computer music, interactive stagecraft, robotic art, and

### Bachelor of Science in Music and Technology

This new program is offered jointly by the School of Music, the School of Cor (CIT). The Music and Technology Program will begin in the fall of 2009 and w

Clicking on the "Bachelors of Science in Computer Science" link will take you to the page most relevant to prospective students.



# Masters

Clicking on the Masters subheader will take you to a site with four links, three of which are for an internal audience of users.

	Masters		
I	M.S. in COMPUTER SCIENCE		<ul> <li>This is the link for prospective students.</li> </ul>
	The MS program in Computer Science offers students with a Bachelor's study in Computer Science. We cater to students with a degree in Con science, or engineering). The program is not based on a fixed set of co consultation with their advisors, within broad guidelines. Thus, a stude networking, machine learning, or algorithms) or choose not to specializ		
ł	The Fifth Year Masters Program (Carnegie Mellon, CS undergraduates		— These links are for current CMU students.
	The Fifth Year Masters Program is a direct Masters program for student Mellon. The purpose and goal of the program is to encourage our very to proadens their often hectic undergraduate experience. We also want to by providing them with an additional qualification and period of study b program will result in a Masters Degree.	, , , , , ,	
1	MBA: COMPUTER SCIENCE 3-2 PROGRAM (Carnegie Mellon, CS under	₫	
	This page is designed to provide information regarding the Bachelor of S Administration (MBA) 3/2 program at Carnegie Mellon University.	4	
	INFORMATION ON THE CSD GRADUATE PROGRAMS		This link is labelled like it is for a prospective student, but it will take you to a page requiring
			a department login and password.
<b>.</b>	CSD Home 🖂 Webteam 🔺 Top 🏚 SCS Home		

# Ph.D.

For students interested in the PhD in Computer Science at CMU, they are able to access information about the program through two paths: Education > Ph.D. in CS, or Education > Doctoral Catalog. They are also able to access the Doctoral Catalog from the Ph.D. in CS page, but not the other way around.

Clicking on the "Ph.D. in CS" will take you to a page linking you to information for both prospective and current students, in no particular order.

	» Information
This link is labelled like it is for an outside audience, but it leads to a page that requires an internal password.	<ul> <li>INFORMATION ON THE CSD GRADUATE PROGRAMS</li> <li>The Computer Science Ph.D. Program document provides an and procedures (pdf).</li> <li>The Computer Science Graduate Catalog</li> <li>Online Application</li> <li>Dual Ph.D. Program CMU-Portugal in Computer Science: The School of Computer Science at Carnegie Mellon University offers cooperation with several Portuguese universities. This PhD progr Communication Technologies Institute (ICTI), resulting from a P information, please see the ICTI website.</li> </ul>
Outdated links.	<ul> <li>Faculty Research Guide: Descriptions of our faculty's research</li> <li>Courses</li> <li>Spring 2012 course schedule</li> <li>Fall 2011 course schedule</li> <li>Contacts</li> </ul>
List of students from 2010. ———	<ul> <li>Deb Cavlovich: questions about procedure and policy</li> <li>Srinivasan Seshan: questions about the program's content a</li> <li>Martha Clarke: questions about How to Apply to the CS and S</li> <li>Students and their advisors; advisors and their students.</li> <li>Doctoral Review Committee (DRC).</li> <li>Student Ombudsperson.</li> <li>Who's Graduating? Ph.D. Students expected to graduate by</li> <li>&gt; Helpful Advice</li> <li>Advice on Applying to Ph.D. Programs in Computer Science (graduate or related areas.</li> </ul>

Clicking on the "Doctoral Catalog" link will take you to a page linking you to information for prospective students, including an overview of the program, specialization studies, and a link to how to apply.

	CS Doctoral Catalog
These sections are intuitively	Introduction   Curriculum   Financial Aid   Disser
labelled and arranged in a logical pattern that makes sense	Introduction: A short message about the departmen
hierarchically.	Curriculum: The course of study for CS Doctoral stud core, required and elective units; research; teaching a
	Financial Aid: A description of financial aid available t
	<b>Dissertations:</b> A list of recent Ph.D. research topics, i Computer Science Department.
However, this is a broken link.	Specialization Programs: These programs are sponse departments at Carnegie Mellon.
	Admission: Admission requirements, including all app

STANFORD UNIVERSITY

# Roadmap

For students starting at the homepage, this is the pure hierarchy of the computer science degrees available in at Stanford University.



# **Bachelors**

Clicking on the undergraduate subhead will lead the user to what appears to be a separate content management system, with a different page design and navigation menu. However, a quick look at the web URL reveals that this is not an offsite page, but the undergraduate subsection of the Stanford CS site.



# Masters

Clicking on the Masters subhead will lead you to a fork in the road: Are you a current student or a prospective student?



# Ph.D.

Clicking on the PhD subhead will take you to a list of degree requirements and qualifying exams. The target seems to be geared towards current PhD's. Prospective PhD's will have to backtrack to Education > Admissions in order to find application requirements and deadlines.



# Roadmap

For students starting at the homepage, this is how they will access the information about the computer science degrees available at MIT.



# **Bachelors**

Clicking on the Undergraduate Programs subhead will take you to a page with an overview of the Undergraduate SC programs, plus two very big buttons telling you how to apply.



# Masters

Clicking on the Graduate Program subhead will take you to a general overview page of the degree programs offered at the graduate level at MIT. Links to details about admissions, degrees, research, and financial aid are listed on the side navigation menu that appears when you click on the subhead. Each page also offer alternative ways to find information if you are looking for something specific, or if what you are looking for is not addressed in the pages.

Academics & Admissions	Graduate ADMISSIONS
<ul> <li>Undergraduate Programs</li> </ul>	The EECS Department is the largest in the School of Engineering with about 700 graduate students in the doctoral program.
Graduate Program	The application website (see link below) is available on September 15,
Admissions	2013 for students who wish to apply for graduate admission in September 2014. The deadline for submitting completed applications is
FAQs	December 15, 2013.
Dear Prospective Applicant	Applicants to the MIT EECS graduate program should apply using the <b>EECS on-line admissions site</b> . [If you find it impossible to apply on-
Meet some EECS graduate students	line, you can send in a paper application].
Degree Programs	Questions not answered by the <b>FAQs</b> ? send inquiries to grad- ap@eecs.mit.edu.
Graduate Office Materials	More information? Read this graduate admissions information letter.

# Ph.D.

The PhD program information is grouped under the Masters information pages. Compared to the amount of navigable pathways available to students in the other degree levels, this provides very little information.

### Doctor of Philosophy or Doctor of Science

The Institute's basic requirements for the award of a doctorate are:

1. Completion of a major program of advanced study, including a General Examination

- 2. Completion and oral defense of a thesis on original research
- 3. A minimum residence requirement of four terms of full time graduate work.

Consult the current Catalog and Graduate School Manual for additional information. For further information on the Department's Minor requirement and course descriptions see the current catalog.

Because the "Catalog and Graduate School Manual" is not hyperlinked, it is not apparent where the Catalog is located.

# Roadmap

For students starting from the homepage, they will be able to find information about the computer science degrees available at the University of Washington through these pathways.



# **Bachelors**

Prospective undergraduates can navigate from the homepage to all the information geared towards them in one click. The Undergraduates page has a separate navigation menu down the left side of the page, with subsections about degree requirements, admissions, deadlines, and frequently asked questions.

	Undergraduate Program	
> Program Overview	Welcome. Thanks for your interest in pursuing undergraduate studies at the	
Why Choose CSE?	Computer Science & Engineering (CSE) department of the University of	
Key Features	Washington. Our department is ranked among the top ten in the nation and offers an unbeatable combination of outstanding students, exciting classes, and	
Information Sessions	world-class faculty. Here in the beautiful Pacific Northwest you can obtain one of	
Advising	the finest educations in the nation.	
FAQs	Like the 600 undergraduate men and women now in the department, you are	
Admissions &	sure to find a valuable academic and vibrant social community. Our faculty, while	
Prerequisites	internationally renowned researchers, commit themselves to teaching and being	
Application Instructions	available to mentor you throughout your college experience. Our labs and	
Regular Admission	facilities here at the <u>Allen Center</u> offer premier, comfortable learning and gathering environments wh can work hard individually and with others interested in learning how computing technology can trans	Along with the side
High School Direct Admit	world.	section, the first page
Non-Traditional Admission	When you graduate with our Bachelor of Science in Computer Science or Computer Engineering, yo	is an overview and a
Transfer Students	able to engage in successful careers in industry, academia, and public service, providing technical le	personlized welcome
Post-bac Students	by solving significant problems across a broad range of application areas. The department will prepare well to adapt to the new technologies, tools and methodologies that are revolutionizing our daily lives	letter from the Chair of
International Students		
	See for yourself! This website provides all the information you need to decide if CSE is the smart cho	Engineering.

# NVERSITY OF WASHINGTON

# Masters

The page layout, information, and presentation of UW's Professional Masters Program are consistent with their Undergraduate pages. The subnavigation on the left side links to course description, advising, deadlines, frequently asked questions, and financial aid.

	Professional Master's Program
Information Sessions	Welcome. Thank you for your interest in the University of Washington's
Program Overview Key Features	Professional Master's Program (PMP) in Computer Science & Engineering. The PMP is designed for fully-employed professionals whose primary interest is in continuing on their career paths while acquiring critical skills to move them into
Tuition	positions and projects of greater responsibility and impact. Admission is
Advising	competitive; however, we are proud to have graduated over 700 software
Faculty and Students	professionals since the program's inception in 1996.
Student Profiles	The Professional Master's Program offers unique benefits to working
Faculty Profiles	professionals. Among them:
Courses and Colloquia Course Syllabi	<ul> <li>A connection to the Computer Science &amp; Engineering community at UW, a program consistently ranke among the top ten in the nation. See what the <u>New York Times</u> says about UW CSE!</li> </ul>
Current Course Schedules	An opportunity to interact with other talented area professionals in a flexible, part-time learning
Colloquia	environment that blends focused academic <u>coursework</u> and exciting <u>colloquia</u> with practical engineerin and development insights and tools.
Application Information	<ul> <li>A 50 member world-class faculty, internationally known for their contributions to key technical fields,</li> </ul>
Information Sessions	including both core computer science research and interdisciplinary research in fields such as
Admission Prerequisites	computational biology and neuroscience. This faculty brings the latest skills and knowledge, as well as
Required Materials	their extensive experience, into the classicion to benefit your products and projects.

# PhDs

> Program Overview

**Key Features** 

Assistantships

Advising

Colloquia

**CSE** Culture

UW Environment

Application Information

Admission Prerequisites

Lifestyle

Healthcare and Housing

**Research Opportunities** 

Faculty and Grads

Grads in the News

Courses and Colloquia

**CSE Graduate Courses** 

**Faculty Profiles** 

The presentation of information and labelling with the PhD program page of UW is consistent with both the Undergraduate and the Masters pages. The content of the welcome letter changed accordingly with the change of audience.

PhD students, because their programs are so long, have different a program.

The subnavigation on the left side has timesensitive information in red to indicate urgency.

Addressed in the side bar are some of their main concerns, ranking above the admission process: Healthcare, Housing, the Culture and Environment of the university.

### Full-Time Graduate Program

Welcome. Thank you for your interest in pursuing your graduate education at the Department of Computer Science & Engineering (CSE) at the University of Washington. We are proud of our highly ranked Ph.D. program and invite you to explore this site to learn whether or how to apply. UW CSE offers unique benefits to our Ph.D. students. Among them:

- · We produce research of the very highest quality, as indicated by an exceptional number of best paper awards at top conferences over the last decade and a faculty widely recognized as leading researchers in their fields.
- · We have a collegial and supportive environment for students, in which we work to help each student achieve his or her goals and potential. We see ourselves as the most student-centered of all top computer science departments.
- · We are located on Lake Washington in the city of Seattle. The city is unique in its combination of culture, natural beauty, and high-tech industry.

Our students benefit from many collaborations and relationships that we have developed across the campus and in the region. In addition to technology industry leaders such as Microsoft Research, Amazon.com, and Google Seattle -- all close to campus -- we have a top-rated medical school that is part of Seattle's biomedical ecosystem, which also includes the Institute for Systems Biology, the Allen Brain Institute, and the Fred Hutchinson Cancer Research Institute. We are also the leading center for global health, based on the presence of the Bill and Melinda Gates Foundation, the UW Center for Health Metrics and Evaluation, the

priorities when choosing

Behind Enemy Lines: A Benchmarking Report

# Roadmap

Cal Berkeley's degree information are located underneath Academics. "Degree programs," "Undergrad Admissions," and "Graduate Admissions" are geared towards prospective students. Current student information on all degree levels are located within "Student Information." "Courses/Objectives & Outcomes" is a reference for both current and prospective students.



# Bachelors

Undergraduate degree information is located under "Undergrad Admissions."

	Prospective Undergraduate	s		
	Overview Campus Resources	Women and Diversity	EECS Major	CS Major
he subnavigation bar	Overview			
rovides prospective ndergraduates with nks to general program nformation and university ulture.	One Unique EECS Program If you're interested in EECS, there is one way to study it. Prospective EECS students apply to the College of Engineering when completing the general University Application.		Departmental Welcome Visit Berkeley EECS Berkeley Engineering Named #1	
does not link to pplication details such as here and when to apply.	Two Distinct CS Programs If you're interested in Computer Science, the it. Prospective CS students apply either to t Sciences (B.A.) or to the College of Engineer completing the general university application	ere are two ways to study the College of Letters & ring (B.S.) when n.		
	The Five Year Bachelor/Master's Progr This program, initiated in Fall 2006, is only a	am in EECS available to Berkeley EECS		

# Masters & Ph.D.'s

Cal Berkeley's Master programs are available on a spectrum, from a one-year Masters in Engineering degree to a five-year Doctoral degree. Prospective students are presented with the six graduate degree choices when they navigate to the "Graduate Admissions" subsection.



This graphic depiction of their six Masters programs also double as navigation; each module is hyperlinked.

# Roadmap

On the Cornell website, undergraduate, some graduate, and doctoral students are able to navigate from the homepage into the degree information with one click. The exception is Cornell's Masters of Science in Computer Science, which is considered a subsection of their Ph.D. program because it is research-based.



# **Bachelors**

Prospective undergraduates can navigate from the homepage to the undergraduate page in one click. The overview page has embedded links that, when paired with information from the subnavigation menu on the left side, presents multiple pathways into relevant degree and application information.

	You are here: Home » Undergraduate Program	
- And	Undergraduate Program	
Undergraduate	The Department of Computer Science is affiliated with both the College of Arts and Engineering. Students in either college may major in computer science. A wide vari and academic opportunities exist for graduates of computer science including softwa computational finance, modeling, game design, computer graphics, robotics, artificia systems and technology, security, hardware development, animation, medicine, bio management and consulting, as well as masters and doctoral studies in computing-	
Admissions	Computer Science majors learn about algorithms, data structures, programming lar	
Your First CS Course	systems, and theory, and just a few of the areas they can explore are artificial intel computer graphics, computer vision, databases, and networks.	
Student Advising	Undergraduates in six of the seven undergraduate colleges/schools at Cornell (Agric	
CS Major	Architecture, Art and Planning, Arts and Sciences, Engineering, Human Ecology, an Labor Relations) have the option of completing a Minor/Concentration in Computer minor/concentration provides an excellent opportunity for students who may want	
CS Engineering		
	accomplished some depth of study in Computer Science, but who are unable to com Science major.	
CS Arts & Sciences		
Minors 🕨	The program for Computer Science majors is broad and rigorous, but it is structured	
Career Information	any technical or professional area, including such areas as business, law, or medicin	
Undergrad Research	computer science major is expected to put together a coherent program of study th and is true to the aims of a liberal education.	
Student Groups	We invite you to browse our web site and learn more about our faculty. The main h	

# Masters

Prospective Masters students are able to navigate from the homepage to the Master of Engineering Program page with one click. On the M.Eng page, they have access to admissions, degree information, current students and faculty, and a section called Entrepreneurship which details the program's vision.

Embedded within the overview text of the first page are additional information, including the Masters program on their New York City campus, their Masters of Science program, and deadlines for admission.



Additional information about the available Masters programs at Cornell University are embedded within the overview paragraphs, and are not immediately apparent from the navigation menus.

# CORNELL UNIVERSITY

# PhDs

Prospective Ph.D. students are able to navigate to the Ph.D. information pages with one click from the homepage. On the PhD page, they have links to admissions information, frequently asked question, and supplementary degrees such as Graduate Minor and Special Masters. Cornell's Master of Science program is also found under this section.

Ph.D.       Admissions         Ph.D. Applicant FAQ       The Cornell Ph.D. program in computer science. Our computer science. Our computer science also includes faculty with the excellation of pioneering research, and by the excellation of pioneering research, and by the breadth of its Ph.D. program. The department has been growing steadily since its founding in 1965, and currently has about 110 Ph.D. students and 45 field faculty members. The Field of Computer science also includes faculty members from other departments (Electrical Engineering, Mathematics, Operations Research and Industrial Engineering, Mathematics, Operations Research in computer science.         sters am cornell are provide the science for the faculty who can supervise a student's Ph.D. thesis research in computer science.       Research         sters am cornell are forms the graduate Housing are also includes faculty members form the departments (Electrical Engineering, Computational Biology and Acrititecture) who can supervise a student's Ph.D. thesis research in computer science.       Robotics         sters are formed to the Housing are also includes faculty members form the departments (Electrical Engineering, Mathematics, Operations Research in computer science.       Scientific Computing         sters are formed to the faculty of the science also includes faculty members form the departments (Electrical Engineering, Computational Biology, and Acrititecture) who can supervise a student's Ph.D. thesis research in computer science.       Robotics         sters are formed to the faculty of the science formed to the faculty of the science also includes faculty members. The field of the faculty of the science also includes faculty members formetors the science also includes faculty members.       <		SSI THE	You are here: Home » Computer Science Ph.C	D. Program	
Ph.D.         Admissions         Ph.D. Applicant FAQ         Ph.D. Applicant FAQ         Ph.D. Requirements         M.S.         Graduate Minor         Special Masters         Ph. D. Visit Day         Graduate Forms         eir         Graduate Housing         Cornell			Computer Science I	Ph.D. Program	
Ph.D.       Admissions         Ph.D. Applicant FAQ       Ph.D. Applicant FAQ         Ph.D. Applicant FAQ       Ph.D. Requirements         M.S.       M.S.         Graduate Minor       Special Masters         Sters       Ph. D. Visit Day         Graduate Forms       Artificial Intelligence         Computer Science       Robotics         Computer Formational Biology       Scientific Computing         Computer Architecture & VLSI       Scientific Computing         Sters       Graduate Housing         Cornell       CS Research       Stessarch         Afficial Intelligence       Robotics         Computer Architecture & VLSI       Scientific Computing			The Cornell Ph.D. program in computer	r science is consistently	
Admissions         Ph.D. Applicant FAQ         Ph.D. Applicant FAQ         Ph. D. Requirements         M.S.         Graduate Minor         Special Masters         Ph. D. Visit Day         Graduate Forms         Graduate Forms         Graduate Housing         Cornell         Cornell         Cornell         CS Research         formal         CS Research         formal         CS Research         formal         CS Research         CS Research         formal         CS Research		Ph.D.	ranked among the top five departments in the country, with world-class research covering all of computer science. Our		
Ph.D. Applicant FAQ         Ph.D. Applicant FAQ         Ph.D. Requirements         M.S.         M.S.         Graduate Minor         Special Masters         Ph. D. Visit Day         Graduate Forms         Graduate Housing         Cornell         CS Research         af       CS Research         trion		Admissions	computer science program is distinguis the faculty, by a long tradition of pione	ering research, and by	
Ph. D. Requirements       Field of Computer Science also includes faculty members from other departments (Electrical Engineering, Mathematics, Operations Research and Industrial Engineering, Mechanical and Aerospace Engineering, Computational Biology, and Architecture) who can supervise a student's Ph.D. thesis research in computer science.         sters and mores       Special Masters         Ph. D. Visit Day       Research         Artificial Intelligence       Robotics         Graduate Housing       Computer Architecture & VLSI         Cornell af       CS Research         af       CS Research		Ph.D. Applicant FAQ	the breadth of its Ph.D. program. The department has been growing steadily since its founding in 1965, and currently has about 110 Ph.D. students and 45 field faculty members. The Field of Computer Science also includes faculty members from other departments (Electrical Engineering, Mathematics, Operations Research and Industrial Engineering, Mechanical		
M.S.       Image: Construction of the departments (clear the presenting, Mathematics, Operations Research and Industrial Engineering, Mathematics, Operational Biology, and Architecture) who can supervise a student's Ph.D. thesis research in computer science.         sters       Ph. D. Visit Day       Research         arres       Graduate Forms       Artificial Intelligence       Robotics         computer Architecture & VLSI       Scientific Computing       Computer Architecture & VLSI       Security         art       CS Research       Systems and Networking       Systems and Networking		Ph. D. Requirements 🕨			
Graduate Minor     and Aerospace Engineering, Computational Biology, and Architecture) who can supervise a student's Ph.D. thesis research in computer science.       sters cam     Ph. D. Visit Day     Research       arreside     Graduate Forms     Artificial Intelligence     Robotics       cornell     Graduate Housing     Computer Architecture & VLSI     Security       af     CS Research     Systems     Systems and Networking		- M.S. ►			
Special Masters     research in computer science.       sters     Ph. D. Visit Day     Research       arres     Graduate Forms     Artificial Intelligence     Robotics       neir     Graduate Housing     Computational Biology     Scientific Computing       cornell     CS Research     Computer Architecture & VLSI     Security       at     CS Research     Systems     Systems and Networking		Graduate Minor	Architecture) who can supervise a student's Ph.D. thesis		
sters     Ph. D. Visit Day     Research       am     Ph. D. Visit Day     Artificial Intelligence     Robotics       ares     Graduate Forms     Artificial Intelligence     Robotics       beir     Graduate Housing     Computational Biology     Scientific Computing       Cornell     CS Research     Computer Architecture & VLSI     Security       at     CS Research     Database Systems     Systems and Networking		Special Masters	research in computer science.		
Artificial Intelligence     Robotics       neir     Graduate Housing     Computational Biology     Scientific Computing       Cornell     Computer Architecture & VLSI     Security       at     CS Research     Database Systems     Systems and Networking	sters am	Ph. D. Visit Day	Research		
Derir     Graduate Housing     Computational Biology     Scientific Computing       Cornell     Computer Architecture & VLSI     Security       at     CS Research     Database Systems     Systems and Networking	ares	Graduate Forms	Artificial Intelligence	Robotics	
Computer Architecture & VLSI     Security       at     CS Research     Database Systems     Systems and Networking	neir	Graduate Housing	Computational Biology	Scientific Computing	
tion Database Systems Systems and Networking	orneii	CS Recearch	Computer Architecture & VLSI	Security	
		Co Research	Database Systems	Systems and Networking	
Graphics Theory of Computing			Graphics	Theory of Computing	

Because their Masters of Science program is so small and shares similarities with their Ph.D. program, Cornell has embedded that program information within the Ph.D. section.

Unfortunately, this also means this section is hidden from the top layers of navigation.

# Roadmap

Information about the degree programs available at Brown is located under "degrees" on the homepage's main navigation menu. From there, prospective students can start with the "degree programs" subsection, which details in long-form the undergraduate and graduate programs available, with additional information for Brown's current students. "miscellaneous" and "programs" contain content unrelated to degrees.



\*headers on the Brown Computer Science website are in lowercase.

# **Bachelors**

In the "undergrad" subsection, a subnavigation menu appears under the main navigation menu. These are links for current students to decide what courses to take, whether they should minor in another subject, or try to obtain a fifth year masters degree. Prospective students are not catered to in the menu selection.



# Masters

In the "masters" subsection, a subnavigation menu shows up with information for both prospective and current students. "applications" is for prospective, while "requirements" can be for both current and prospective students. "2008 graduation" is unfortunately outdated.



Brown offers an outstanding master's program (called an ScM, in our parlance). There attractive features that characterize all the graduate programs at Brown. In addition,

# PhDs

prospective students.

In the "doctoral" subsection, the subnavigation contains the application information while the overview page has supplementary information for the prospective Ph.D.'s embedded into its paragraphs.



# Research & Faculty Interests

OVERVIEW Difficult Easv to Use to Use CMU  $\bigcirc$ -C **STANFORD** MIT UW BERKELEY  $\overline{}$ CORNELL  $\overline{}$ **BROWN** 0

On the faculty list page, 5 out of 7 schools include a brief listing of applicable research areas. Of these 5 schools, only Berkeley had the research areas listed as hyperlinks that directed you to a page about that research area. All of the schools listed the faculty alphabetically by last name. In order manage the long list of names, there were 4 methods used to aid navigation to a specific faculty member: none, page jump, chunked page links, and filter.

For all of the schools, the faculty pages were found under the navigational option, People. The schools varied on how they labeled this page, with 4 labeled as Faculty, 2 labeled as Faculty List, and 1 labeled as Faculty & Advisors. For the schools that listed research areas on the faculty list, 2 schools labeled it "research interests," 2 schools left it unlabeled, and 1 school labeled it "research focus."

On the research page, 3 schools required that you choose a research area before receiving more information, 2 schools gave an option to choose a research area or by other categories, and 1 school required you to choose a research group/program/center, and 1 school did not provide information about research beyond the faculty interests. For schools that required you choose a research area first, they navigated the information with subnavigation menus, with hyperlinks leading to separate pages per topic, or with hierarchy within page content.

All the schools except MIT listed information about research under the navigational option, "Research". MIT has a navigational option, "Research". However, this leads you to a page of articles about their research. To find specifics about research, you must look under the navigational option, "Academics and Admissions" and go to the specific program.

Four schools included a page that specifically attempted to address the the overlap between Faculty and their research interests. Each of the pages varied in how they were labeled. The labels included "Faculty Research Guide," "Faculty Profiles," "Research Interests: Faculty & Non-Faculty Supervisors," and "Research Areas."

# faculty research interests

# CARNEGIE MELLON UNIVERSITY

home > people > faculty list



home > research > areas of research

			Carnegie Mellon A COMPUTER SCIENCE DEPARTMENT SCHOOL OF COMPUTER SCIENCE		
	CSD Home   SCS Home	6	Areas of Research	n	
GENERAL INFO     History	Areas of Research		Algorithms and Com	nlevity	
News Page Faculty Positions Available	Algorithms and Complexity				
SCS Calendar	AI: Planning, Knowledge Representation, and Game Theory				
EDUCATION     Ph.D. in CS     Bachelors	Computational Biology		AI: Planning, Knowle	dge Representation, and Game Theory	
Masters Computational Neuroscience					
	Computer Architecture		Computational Biolog	IV.	
Faculty Research Guide	Data-Intensive and Cloud Computing		compatational biolog	9 Y	
Undergraduate Research Publications Distributed Systems Formal Hethods			Computational Neuroscience		
Faculty List	Graphics	L			
Grad Student Directory CSD On the Road	Human-Computer Interaction			forces user to choose	
	Machine Learning				
Google" Custom Search Search	Mobile and Pervasive Computing			a research area before	
	Networking				
	Programming Languages			receiving information	

# home > research > areas of research > [areaname]

INFO	Research Areas - Computational Neuroscience Research in the Computer Science Department at Carnegie Mellon
sitions Available	CSD faculty: John Anderson (Psychology), Jessica Hodgins, Tai Sing Lee, Tom Mitchell, David Plaut (Psychology), Nancy Pollard, Dave Touretzky
DN 5	Computition meansioner research seeks to understand how the brain learner and computes to achieve instiguent behavior. Computational muscularisticat build attribute to the second second also and mathematication and second second second second attribute second s
atalog	In collaboration with the Center for the Neural Basis of Cognition (CNBC), CSD offers educational programs in computational neuroscience through an undergraduate inter-college minor in Neural Computation, as well as a CNBC specialization in the Ph.D. program of the Computer Science Department.
l Isearch Guide Isearch Iuate Research ns	Attoruph is a vibrant environment for research in computational neuroscience, endowed with the nationally renowned CMLPAT birt Center for the Neuro hasis of Cognition (CNBC) and the Center for Cognitive Reini maging (CCB). These centers provide a wide range of research opportunities in neuroscience, psychology and computational neuroscience.
	CSD faculty working in the area of computational neuroscience:
at ative Staff ant Directory	John Anderson, University Professor of Psychology and Computer Science. Nember of the Nabional Academy of Sciences. His research is concerned with contribution to the development to the ACT+ architectures which is a consultational model of human inteligence. One line of research is concerned with the learning of high-performance skills like air traffic control. The other is concerned with tracking brain correlates of architectural components with MRI, Lab: ACT-R Research group.
e Road	Jessica Hodgins is a Professor in the Robotics Institute and Computer Science Department at Carnegie Mellon University and part-time Director of Disney Research, Pittsburgh. Her research focuses on computer graphics, animation, and robotics with an emphasis on generating and analyzing human motion.
om Search Search	Tai Sing Lee, Associate Professor of Computer Science and Neural Basis of Cognition. He is interested in the computational principles and neural basis of perception, and the nature of hierarchical computation in the visual systems. He is working on these problems using an integrated and interdisciplinary approach based on computational modeling, astabical analysis, and detectophysiology.
	To the Hischell, Fredin Professor of Computer Science, and department head of the Machine Learning Department. He general interests is in developed comparison models of prant Interests is in developed at a from humans (a.g., MRL (SPL behaviori at atta), Econtry Mitchell's groups had sedeped science inschen Learning aboritoris that can be trained to datapusch officeret Cognitive processes in humans, based on their developed science inschen Learning aboritoris that can be trained to datapusch officeret Cognitive processes in humans, based on their developed science in the science of the science of the science of the science and the science of the science of the science in which a science, and which are science or interest a science, and which are science or interest as the science or interest as the science of the sci
	David Plant. Netsesc of Psychology. Computer Science and Neural Basis of Copation. He uses connectionis/heural-network modeling, combinented by behavioral studies ho investigate momial and impaired cognitive processing in the domain of reading and language. It is specific interest photole and language acquisitioning of behavioral studies and the studies of the studies of the studies of the studies of semantic impairments following them damage.
	Nancy Pollard, Associate Professor in the Robotics Institute and the Computer Science Department at Carnegie Mellon University. Her primary research objective is to understand how to create natural motion for animated human characters and humanoid robots. She are studies dexterous manipulation in

CSD faculty: John Anderson (Psychology), Jessica Hodgins, Tai Sing Le

Computational neuroscience research seeks to understand how the brain build artificial systems and mathematical models to explore the computati also apply mathematical and machine learning techniques to decode neur neuroscience, cognitive psychology, physics, engineering, mathematics, ar

In collaboration with the Center for the Neural Basis of Cognition (CNBC), undergraduate inter-college minor in Neural Computation , as well as a C

Pittsburgh is a vibrant environment for research in computational neurosc Basis of Cognition (CNBC) and the Center for Cognitive Brain Imaging ( neuroscience, psychology and computational neuroscience.

CSD faculty working in the area of computational neuroscience:

John Anderson, University Professor of Psychology and Computer Science contribution to the development to the ACT-R architecture which is a co

uses hierarchy within page content to help user navigate through information

# faculty research interests

# CARNEGIE MELLON UNIVERSITY

home > research > faculty research guide



• Goldstein • Sir



"Faculty Research Guide" attempts to address the overlap of research and faculty.

### UMUT A. ACAR

Assistant Professor, Computer Science

My main areas of interest are programming languages, parallel computer scientists reason about problems, and develop algori language constructs, algorithms, and software systems.

**Programming languages.** Programming languages aim to fill th mathematics) and the tedious code of instructions required by t express our thoughts and by translating our thoughts expresse computer scientists, we have thus far resorted to low level abs computation. But today, as computer systems become architect perform well with such low-level abstractions. The problem is experiment well with such low-level abstractions. The problem is experiment to thought and expression while also ensuring eff where systems interact with dynamically changing data, and pa simultaneously.

content provides details on research interests — varies between faculty if they discuss the areas, projects, or some combination
## faculty research interests stanford UNIVERSITY

home > people > faculty

Stanford Computer Scier	ENGINEERING Contact Us noce	Directions School of Engineer	ering Stanford University	Computer Forum Wiki	SEARCH	
Directory • Faculty • Staff + Students + Alumni	Home > People > Faculty Faculty Regular Faculty 32 people					<ul> <li>does not list</li> <li>applicable</li> <li>research area</li> </ul>
	Name Alex Aiken	Phone 5-3359	Office GATES 411	email aiken	/	research area
	Serafim Batzoglou Gill Bejerano	3-3334 650 723-7666	Clark S266 Beckman B321	serafim Click here		
	Michael Bernstein Dan Boneh	4-1248 5-3897	Gates 308 GATES 475	msb dabo		does not us
	David Cheriton Steve Cooper	3-1131 723-9798	GATES 439 Gates 190	cheriton		a navigation
	Bill Dally	5-8945	GATES 301 GATES 344	dil		method to
	Ron Dror	0.0700	Gates 204	ron.dror		find specific
	Ron Fedkiw	3-0762	GATES 207			name
	Hector Garcia-Molina	3-0685	GATES 434	hector		Iane

#### home > research > faculty profiles

Computer Systems Gio Wiederhold 122



about that area

## faculty research interests

### MASSACHUSETTS INSTITUTE OF TECHNOLOGY

home > people > faculty & advisors





#### uses filter on pages to find specific information related to labs, areas, or themes

home > research



clicking on navigational option, "Research" brings you to a page of articles about their research

## faculty research interests

#### home > academics and admissions > graduate program > graduate research



specifics about research can be found within the program, under the navigational option, "Academics and Admissions"

Graduate Research Areas Research Supervisors EECS Research Fields

user has the option to find out more information by area, by faculty, or by field

home > academics and admissions > graduate program > graduate research > graduate research areas > [areaname]



when viewing by research area, each area gets it own page

home > academics and admissions > research interests: faculty & non-faculty supervisors

	About   Contact   Quick Links   Resources   Login   🗊 🗭 🕅 (meri)			"Research Interests: Faculty & non-Faculty Supervisors"
Academics & Admissions	Research Interests: Faculty&non- SHARE C Faculty Supervisors			lap of research and faculty.
Graduate Program	EECS Faculty Members, Area(s), and Research Interests (pdf) A B C D E F G H I J K L M N O P Q R S T U V W X Y Z			
Research Interests: Faculty&non-Faculty Supervisors	A Aaronson, S. II	EECS Faculty	<b>y Mem</b> l G H I J I	bers, Area(s), and Research Interests (pdf) K L M N O P Q R S T U V W X Y Z
<ul> <li>Academic Information</li> <li>Who's Teaching What</li> <li>Masterworks 2013</li> <li>Program Objectives</li> </ul>	Computational complexity, quantum computing. Abelson, H. II Artificial intelligence scientific computation, educational computing, societal and legal frameworks for information technology. Additationsom E			uses hyperlinked letters to find specific faculty name
	Platasterisson, c - r Medical inaging with magnetic resonance and methods for optimal acquisition, reconstruction, and processing of im ging data acquired in vivo. Agarwal, A. II, I Computer architecture and software systems, multicore architecture, multicore operating systems, self-aware computing. VLSI processors, compilations and runtime technologies for	/ (	Aarons Compu	on, S. II tational complexity, quantum computing.
	parallel computing. Akinwande, A. I. I			highlights research areas

## faculty research interests UNIVERSITY OF WASHINGTON

home > people > faculty





### home > research > [areaname]



uses subnavigational menu to manage content about research in this area

#### home > people > faculty > faculty list



#### home > research

EECC	ELECTRICAL ENGINEERING AND CON	MPUTER SCIENCES			
EE	COLLEGE OF ENGINEERING	UC Berkeley			Login
About EECS EECS Overview History / Impact Diversity / Outread Map and Directions Administration	Academics Degree Programs Undergrad Admissions or Graduate Admissions Student Information Courses/Objectives & Outcomes	Research Areas Centers Projects Publications Visiting Scholars	People Directory Faculty Staff Students Alumni	External Relations Industrial Advisory Board Student Recruitment Entrepreneurial Activities	Calendar Seminars Conferences Colloquium News
	Research	veral goals: Research and discovery at th	e highest level, inform	red teaching, and the creative desire to	o excel. EECS faculty
Search	represent a broad range of people from all ove Berkeley attracts top faculty and they have wo Award has been given to ten of the EECS facu of the highest numbers of elected NAE member	er the world and the United States, and fr on every prestigious award from the Nation ulty. The College of Engineering has 87 fa ers in an electrical engineering and comp	om many different ba nal Medal of Science iculty members to dat uter science departme	ckgrounds. This makes study at Berke to the ACM Turing Award. The UC Berl e elected to the National Academy of E ent in the country.	ley that much more exciting. keley Distinguished Teaching ingineering, 35 in EECS, one
Information for: Students Faculty Staff	This section of the website introduces you to the Areas List of EECS research areas with links to web	he areas of research in EECS at Berkeley b pages that include faculty, topics and a	y. The possibilities in associated courses an	EECS are far-reaching and world-class d projects.	i.
Support Services: Administrative Research Computing	Centers and Labs List of EECS research centers and laborator	ries with brief descriptions and links to ho	me pages.		
My EECS Info	Lists of EECS research projects with links to	web pages that include investigators, res	earch abstracts, and	additional information.	
	Publications Contact information and links to the EECS/EI	RL research summaries and newsletters,	EE and CS technical	reports, and graduate student résumé	<b>S</b> .
	Faculty Awards wards, honors and fellowships from nationa	al and international institutions and acade	mies.		

Areas List of EECS research are	provides multiple
Centers and Labs List of EECS research ce	avenues for finding out more
Projects Lists of EECS research p	information
Publications Contact information and I	
Faculty Awards Awards, honors and fellow	

### faculty research interests UNIVERSITY OF CALIFORNIA: BERKELEY

#### home > research > areas



#### home > research > areas > [areaname]



## faculty research interests cornell university

home > people > faculty



#### home > research



### home > research > [areaname]



## faculty research interests BROWN UNIVERSITY

#### home > people > faculty



#### home > research



#### home > research > areas

Brown Computer Science about people research degrees courses Home » Research » Areas Research Areas Algorithms: Pedro Fetzenszwalb, Sorin Istrail, Philip Klein, Claire Mathieu, Franco P. Preparata, Ben J. Raphael, John E. Savage, Roberto Tamassia, Eli Up Artificial Intelligence: Eugene Charniak, Pedro Fetzenszwalb, Amy Greenwald, Chad Jenkins, Michael Littman, Erik Sudderth, Stefanie Tellex, Pascal Van Hentenryc Combinatorial Optimization: Philip Klein, Claire Mathieu Ben J. Raphael, Eli Upfal Pascal Van Hentenryck Computational Biology:	Search Search	"Faculty Profiles" attempts to address the overlap of research and faculty.
Computational Geometry:	Corr	putational Geometry:
Franco P. Preparata, Roberto Tamassia	Fran	co P. Preparata, Roberto Tamassia
Computational Photography:		
James Hays		lists faculty
Computer Graphics:		
James Hays, John F. Hughes, Chad Jenkins, David H. Laidlaw, Barbara J. Meier, Andries van Dam		who research
Computer Vision:		in this area
Michael J. Black, Pedro Felzenszwalb, James Hays, John F. Hughes, Chad Jenkins, Erik Sudderth		

# Faculty & Student Projects

OVERVIEW



Upon investigation, 7 out of 7 schools currently do not highlight their students' projects in any way. 7 out of 7 schools do provide information about their faculty's project. However, some schools are more direct at provide this information than others.

Stanford and Berkeley were the only schools to have an area under "Research" called "Projects. MIT, UW, and Cornell opted to have each research area page showcase their own projects. However, the appearance of projects within every research area page is not consistent. When projects are available, UW labels them the clearest by providing the option, "Projects" in their sub-navigation menu.

Brown requires you to search through their research group, affiliated programs, or affiliated centers websites to view projects. Again, it is inconsistent that every page will showcase projects.

CMU and Stanford are the only schools that showcase projects on their homepage.

# faculty & student projects carnegie mellon university

#### home





showcasing research project

> no label or caption makes it hard to know that this is a project

#### home > research > projects



#### home



## faculty & student projects

#### home > research



home > academics and admissions > graduate program > graduate research > graduate research areas > [areaname]



research area pages give information of research groups — you must vist the group's website to find information on projects

### **Research in Computer Science**

Perhaps the most important facet of graduate education in Area II is involvement in original research.

The primary laboratory concerned with computer science research is the **Computer Science and Artificial Intelligence Laboratory** (CSAIL). The Laboratory for Computer Science and the Artificial Intelligence Laboratory merged on July 1, 2003 to form CSAIL. Over 750 personnel, including approximately 85 faculty and research supervising staff and over 300 graduate students, are affiliated with CSAIL. In addition, there are several research groups in the **Laboratory for Information and Decision Systems**, LIDS, the **Research Laboratory of Electronics**, RLE, and the **Media Laboratory**, which make extensive and sophisticated use of computers and digital technology in their work.

# faculty & student projects UNIVERISITY OF WASHINGTON

#### home > research > [areaname] > projects

Courses



#### home > research > project

EECS	ELECTRICAL ENGINEERING AND COMPUT COLLEGE OF ENGINEERING U	er Sciences C Berkeley			Login	
About EECS EECS Overview History / Impact Diversity / Outreach Map and Directions	Academics Degree Programs Undergrad Admissions Graduate Admissions Student Information	Research Areas Centers Projects Publications	People Directory Faculty Staff Students	External Relations Industrial Advisory Board Student Recruitment Entrepreneurial Activities	Calendar Seminars Conferences Colloquium News	allows th
Administration	Courses/Objectives & Outcomes	Visiting Scholars	Alumni			user to vi
EE CS Search	By Area Advictal Intelligence (AI)	(	By Faculty Pieter Abbee	awala		projects based or
Information for: Students Faculty	Oommunications & Networking (COMNET)     Oommunications & Networking (COMNET)     Oomputer Architecture & Engineering (ARC)     Control, Intelligent Systems, and Robotics (CIR;     Database Management Systems (DBMS)		Elad Alon     Vonkat Anant     Murat Arcak     Ana Claudia A	haram Arias		area, faci
Staff Support Services: Administrative Research	Design, Modeling and Analysis (DMA)     Education (EDUC)     Energy (ENE)     Graphics (GR)		<ul> <li>Krste Asanov</li> <li>Jonathan Bac</li> <li>Ruzena Bajcs</li> <li>Ras Bodik</li> </ul>	ić Ihrach Iy		center
Computing Facilities & Safety My EECS Info	Human-Computer Interaction (HCI)     Integrated Circuits (INC)     MicroNano Electro Mechanical Systems (MEMS     Operating Systems & Networking (OSNT)	))	<ul> <li>Jeffrey Bokor</li> <li>Bernhard Bos</li> <li>Eric Brewer</li> <li>John F. Cann</li> </ul>	ser y		
	Physical Electronics (PHY)     Programming Systems (PS)     Scientific Computing (SCI)     Security (SEC)		Constance C     David E. Cull     Trevor Darrel     James Demm	hang-Hasnain er I el		
	Signal Processing (SP)     Theory (THY)		Ronald S. Fe     Armando Fox     Mishard Fox	aring 		

#### home > research > project > by area > [areaname]



## faculty & student projects connell university

#### home > research > [areaname]





#### home > research > research links >



must visit research group, affiliated program, or affiliated center website for project information

#### home > research > research links > [groupname]



research group pages sometimes list projects

# Program Identity



#### **Overview**

In this section, we analyze the homepages of CMU and its competitor websites. The homepage of a college website is where the first impression of the school starts to form. We look at the colors the schools use, the images they choose to display, and what content they decide are important enough to showcase.

### CMU

CMU's website gives the weakest impression of the school and department identity by not using either the university or the computer science department branding. The site also splits the homepage content into three even panels, which makes none of them more important than the other.

### **Berkeley and Brown**

These schools use their respective university coloring, but not to great effect. Berkeley's overall impression is confusing because its homepage content is mostly made up of hyperlinks. Brown's overall impression is informal, bordering on unprofessional, because of their casual approach to content.

### Stanford, UW, and Cornell

These schools consistently uses strong university branding techniques. They also have a distinctive sense of what content is important on their website, and showcases them appropriately.

### MIT

MIT's Electrical Engineering and Computer Science website has the strongest voice in terms of design and branding. They have their own department colors, logo, and slogans. They also portray a sense of dynamicism and personality, which are consistent throughout the site.

### CARNEGIE MELLON UNIVERSITY



Equal column widths means the contents of the three columns (the navigation menu, the feature banner, and the SC news) all have equal importance on the homepage.

### STANFORD UNIVERSITY

The hierarchy of the text logo in the upper left corner indicates that Stanford's Computer Science is located within their Engineering school. Cardinal red paired with a supporting neutral gold is classic Stanford.

Grey text with pale blue hyperlinks creates a subdued tone, channels sophistication.

Stanford ENGINEERING SEARCH Contact Us | Directions | School of Engineering | Stanford University **Computer Science** About Us People Education Research Computer Forum Wiki Resources New Student Orientation **Research Spotlight** Upcoming Events Tools PANDA Tomorrow Gates Internal - Arista Networks Interviews Personal Info Mailing Lists - eBay Interviews • Wikis 12:00pm - Square Info Session ... - Computer Facilities Computing Guides 02:00pm - University Oral Examination: Thermal C Systems Status 02:30pm - University Oral Examination: The Study 03:30pm - Special Career Strategy Workshop - How 04:15pm - Joint ICME/Statistics Seminar in Data 05:00pm - Addepar info Sessions 06:30pm - Yahoo Info Session Tuesday, February 25th Panda (for Provenance and Data) is a new project whose goal is to address some limitations in existing provenance systems. 02:00pm - University Oral Examination: A Freelythis short paper describes our overall plans for Panda, - CS Seminar: Building Syst

> Upcoming events take up the second most importance space on the page, the middle-middle. This indicates they want to show that new (and exciting) things are happening right now at their school. This is also works as a bulletin board for current students and faculty to get quick event updates.

Research Spotlight takes up a place of importance on the page (the left-middle), and rotates through seven current projects. It is obvious that Stanford is most proud of these research projects.

### MASSACHUSETTS INSTITUTE OF TECHNOLOGY



### UNIVERSITY OF WASHINGTON



## UNIVERSITY OF CALIFORNIA, BERKELEY

The hierarchy of the department, college, and university in the header is confusing. The font sizes are too similar to each other. The colors only distinguish the text from one another, and does not establish hierarchy. There is no logical sense in the capitalizations, tracking, and placement.

Berkeley Blue and California Gold are the official college of Cal Berkeley. The colors repeat consistently throughout the site, indicating a strong link to the school identity.

	EECS	ELECTRICAL ENGIN COLLEGE OF ENGINEERING	EERING AND	Computer Sciences UC Berkeley			Login
Electrical Engineering and Computer Sciences department logo repeats on every page.	About EECS EECS Overview History / Impact Diversity / Outreach Map and Directions Administration	Academics Degree Programs Undergrad Admiss Graduate Admissic Student Informati Courses/Objectives	ions ns on s & Outcomes	<b>Research</b> Areas Centers Projects Publications Visiting Scholars	People Directory Faculty Staff Students Alumni	External Relations Industrial Advisory Board Student Recruitment Entrepreneurial Activities	Calendar Seminars Conferences Colloquium News
The split image of the building arches also repeats, which roots the EECS identity in a physical	EE CS Search	Computer Science		Hall CA 94720-1776 0) 642-1042 42-5775	<ul> <li>Main EECS Home Page</li> <li>Job Offerings</li> <li>Computer Science Division: The early yea (video talk given by Prof. Lotfi Zadeh)</li> <li>Thirty Years of Innovation (pdf)</li> <li>CITRIS</li> </ul>		
place on Berkeley campus.	Faculty Staff Support Services: Administrative Research Computing Facilities & Safety My EECS Info	The CS Division of People Faculty Visiting Faculty Staff Alumni	fice is open Mor	ıday - Friday 8am - 4:00pr	n Pacific Tim Courses CS Course Inf Self-Paced Ce Research Are	e (closed 12pm-1pm) ormation enter	

The address and contact information of the physical location of Berkeley's Computer Science division takes up the most prominent content location on the homepage. Maybe the physical space is very important to the department?

### CORNELL UNIVERSITY

The header, which stays the same throughout the site, has the name of the university and its crest. The red crest is emblemic, like a stamp, creating a strong sense of school identity. Cardinal red, white, and grey are the official Cornell University colors. The red represents power; white and grey are sophistication. These colors are repeated throughout the site.

A faint imprint of an image is in the background of every page. This image is randomized, but it is always related to engineering and computer science. It is a decorative flair and serves no purpose, but it does incidentally remind viewers of the genre.



up the middle module of the homepage. The stories it showcases are not specific to the department of CS; they are stories about Cornell University. This creates a link to the overall community of Cornell and of Ithaca, NY.

The scrolling banner takes

Research, though not on top hierarchically, takes up the most real estate on the page. Because it takes up so much space, it is shown as important to the Cornell identity. They seem to be proud of their accomplishments in research, and by displaying the fields prominently on the homepage, they seem to want to attract other researchers. It is interesting that they decide to showcase general Cornell University stories first, in the center scrolling banner, and CS specific stories second, in the right hand column.

Both are considered important, or else they wouldn't be on the homepage. The positioning of these stories suggest that Cornell ranks their overall university reputation more than their overall computer science reputation—or maybe general interest stories, like waterfalls in upstate New York, are more photogenic than computer scientists.

### BROWN UNIVERSITY

The official colors of Brown University are cardinal red and seal brown, but the university branding prefers black and white used on websites. This explains why the homepage's primary color palette is black and white. The scrolling banner in the front showcases students, faculty, and prominent alumni from their department. All of the photographs are close-ups of the subjects' faces. The effect is startling, to say the least.



News, CS Blog, and Events are on the front page in columns of equal width. This allows the website to bring in three ways of exhibiting news: journalism articles with the News column, casual and modern updates with the CS Blog, and a self-updating calendar of events with the Google Calendar app. The CS Blog header is different from the rest of the headers on the page to represent the informal tone of the blogging medium. The blue cursive mimics handwriting, which doesn't make any sense, not even from a nostalgia standpoint. Blogs were never handwritten—they have always been digital.

# Targeting Industry Companies

OVERVIEW



Currently, 5 out of 7 schools address industry in some way. Stanford and CMU were the only schools not to address industry. Of the 5 that address industry, MIT, UW, and Brown provide information in the contact page directed towards industry.

UW and Berkeley were the only schools to provide a specific tab in their main navigation bar for industry. UW calls their tab "Industry Affiliates" while Berkeley calls their tab "External Relations." MIT has an "Industry Connection Program" nested under their "Outreach" tab and Brown has a "Industrial Partners Program" nested under their "About" tab. Cornell also addresses industry, but their pages are buried in their navigation under "Undergraduate" and "Career Information."

#### home > contact

EECS V Research V Acc	aut   Contact   Quick Links   Resources   Login   👔 🖸 🔝 💷 rom 🔍 ademics & Admissions 🗸 People 🗸 News & Events 🗸 Outreach	
Contact	SHARE: 🛃	
undergraduates apply to the EECS Department F/ Office directly if your qu For all other inquiries on Name * Email *	If you have an immediate question or request about the EECS Department, you may contact the EECS Headquarters, 38-401 by calling 617 253-4600. You can find us using this MIT maps link. Companies wishing to recruit our students for employment should contact Global Education and Career Development. If you have questions concerning admission to MIT EECS, remember that all MIT Admissions. If you are interested in graduate admissions to MIT EECS, please read AQs and explore our site before sending enail inquiries. Please call the EECS Graduate estion is not answered by the FAQs: 617 PS3-4603.	
	Companies wishing to recruit our students for employment should contact Global Education and Career Development.	specific call o to industry

home > outreach > industrial connection program



### UNIVERISITY OF WASHINGTON

#### home > contact us



#### home > industrial affiliates



### home > education > outreach



### UNIVERISITY OF CALIFORNIA: BERKELEY

#### home > external relations

ELECTRICAL ENGINEERING AND	COMPUTER SCIENCES			
COLLEGE OF ENGINEERING	UC Berkeley		L	
Academics Degree Programs Undergrad Admissions ch Graduate Admissions s Student Information Courses/Objectives & Outcor	Research Areas Centers Projects Publications tes Visiting Scholars	People Directory Faculty Staff Student Recruitm Students Alumni	y Board ent ctivities	specific tab for industry called "External Relations"
External Relations Group	(XRG) (IAB)			
For over half a century, the Dep California at Berkeley has been a semiconductor and MEMS device databases, and wired and wirele Technology industry.	artment of Electrical Engineering and Con t the leading edge of research that has le s, design technology, computer architect ss networking. Berkeley graduates are at	nputer Sciences at the University of ed to revolutionary innovations in rure, operating systems and the core of today's Information	Fall 2013 Infosession BEARS 2013	
EECS's industrial programs were department:	established to encourage cooperation b	etween members of industry and the	BEARS 2012 BEARS 2011	page
<ul> <li>to facilitate faster transfer of</li> <li>to help keep research focused</li> <li>increase access by industry to</li> </ul>	research results to industry I on problems that interest industry o research publications, students and fac	ulty	BEARS 2010 BEARS 2009	towards
<ul> <li>encourage industrial gifts/gra</li> </ul>	nts to support educational and research	activities at Berkeley	<b>BEARS 2008</b>	industry

home > external relations > student recruitment



#### home > external relations > entrepreneurial activities

EGE OF ENGINEERING	C Berkeley		
Academics Degree Programs Undergrad Admissions Graduate Admissions Student Information Courses/Objectives & Outcomes	<b>Research</b> Areas Centers Projects Publications Visiting Scholars	People Directory Faculty Staff Students Alumni	External Relations Industrial Advisory Board Student Recruitment Entrepreneurial Activities
ntrepreneurial Activities			
Summary of Entrepreneurial Activities			
<ul> <li>EECS faculty and alumni have founded ov</li> <li>These have resulted in 11 successful IPO:</li> <li>The resulting companies now have over 1</li> </ul>	ver 118 start-ups s 195.35B in Market Capitalization	1	
ECS Efforts Have Been Funded By Thes	e Firms, Among Others:		
Seguoja Capital		Commonwealth V	enture Partners

nvites companies o showcase hemselves o the stu-

#### home > undergraduate > career information > alumni destinations

Cornell Univer Department of	<mark>sity</mark> Computer Science	VILVIIL	Viiviii Search CS Search Cornell
INFORMATION EVEN	ITS PEOPLE CO	OURSES UNDERGRADUATE	M.ENG. PH.D. RESEARCH
BOR	You are here: Home > U Alumni Dess The companies listed alumni (and a few nor find out what it's like' destinations of some	ndergraduate > Career Information > Alumn tinations below have hired undergraduates from -alumni contacts) are listed for the ber to work in the industry. We also have a of our graduating seniors.	i Destinations nour program. Email addresses of some of our nefit of Cornell CS students who would like to a recent placement list showing the
Undergraduate Admissions	Company	Business	Contact ( A = Cornell alum, T = technical,
Your First CS Course			R = recruiter )
Student Advising	ABCDE FGHIJK	LMNOP QRST UVWXY Z	
CS Major	A		
CS Engineering	Accenture	Management Consulting	Douglas Calby '81(A)
CS Arts & Sciences	Accenture	I.T. Consulting	Tara Kitley (R)
Minors	Accenture	I.T. Consulting	Nick Nemati '98 (A)
Career Information	Acclaim Entertainmen	t	Josh Markiewicz '98 (A)
» Co-op Program	Altera	Microprocessors	Chris Currivan '97 (A)

recruiter contact information is posted on this page

#### home > research > research links > [groupname]

Cornell Ur Departmen	Cornell University Department of Computer Science				Search CS Search Com				
INFORMATION	INFORMATION EVENTS PEOPLE			UN	DERGRADUATE	M.ENG.	PH.D.	RESEARCH	
601		You are here: Home > Undergraduate > Career Information > Co-Ops for Computer Scientists Co-Ops for Computer Scientists Many CS majors choose to participate in the Engineering College's cooperative work-study program, which gives CS students the opportunity to work with leading-edge firms around the nation (and sometimes abroad). The program is open to both Arts & Sciences and Engineering CS majors.							
Undergraduate Admissions		The fifth academic semester is satisfied through summer courses at Cornell. Then, instead of returning to Cornell for the fall academic term, Co-op students work in industry for about five months. Co-op students return for regular spring studies and then typically go back to work during the following summer. Co-op students complete a regular senior year and graduate with their class.							
Student Advising	•	See the Engineering Co-Op Program's web page, visit the Program office at 201 Carpenter Hall, call 607-255-5006, or email engr_coop@cornell.edu.							
CS Major	•	Co-Op Cont	acts						
CS Engineering CS Arts & Sciences	*	Some of our co-op students have allowed us to list their names and email addresses on this page. Click on any of the names in the "Email Links" column and you should be provided with a mailto window by your browser.							
Minors	•	-							
Career Information		Company	Core Business	85	Email Links to Co-Op	Participants			
» Co-op Program		Bain & Co.	Management		Vikram Punwani				

Build relationships with companies for co-ops

### BROWN UNIVERISITY

#### home > about > contact

Brown Computer Scien	CC about people research degrees courses Search	i i	ndus	stry
Home » About The Department » Contact			addressed	
Contacting Us			on contact	
General Inquiries:	dept@cs.brown.edu			
	Tel: 401-863-7600		is ha	iye
	Fax: 401-863-7657			
Department Chair:	Roberto Tamassia			
	chair@cs.brown.edu			
	Tel: 401-863-7601			
Vice Chair:	Tom Doeppner			
	vice_chair@cs.brown.edu			
	Tel: 401-863-7633			
Undergraduate Affairs:	Tom Doeppner			
	ugrad_affairs@cs.brown.edu			
	Tel: 401-863-7633			
Graduate Affairs:	Tom Doeppner (Masters)			
	Shriram Krishnamurthi (PhD)			
	grad_affairs@cs.brown.edu			
	Tel: 401-863-7600			
Job Announcements:	Lauren Clarke			
	IKc@cs.brown.edu			
	lei: 401-abs-705e			
Industrial Partners Program:				l i i i i i i i i i i i i i i i i i i i
_	pp@cs.brown.edu			
Computing Excilition:	IEI. 401-000-7000			
computing Facilities:	Jen Guduy			
	lat_all@cs.brown.cau			

### home > about > partners



Our findings indicate that while there are many different tactics to convey the same set of information, there appears to be trends among the more successful colleges to employ the same tactics.

- <u>Navigation</u>: It is common to have a main navigational menu across the top, with a subnavigational menu on the left side of the page. The least successful websites deviated from this, or had either too many or no drop down tabs in their navigation headers.
- <u>Page Layouts:</u> Homepages with banners across the top or middle are the most visually impressive. Search bars, footers, and images/photographs appear on the most helpful sites. Having a grid of more than four modules makes the page too cluttered.
- <u>Faculty Pages:</u> The most successful sites have a unified look and feel among their faculty pages. Having a hyperlinked search option and photographs are useful as well.
- <u>Degree Levels</u>: Sites that separate information for prospective students and current students are more easily navigable.
- <u>Research and Faculty Interests:</u> The most successful sites not only clearly group and label the areas of research and faculty interests, they have an obvious search function for them as well.
- <u>Faculty and Student Projects:</u> CMU and Stanford are the only schools that showcase projects on their websites.
- <u>Program Identity</u>: There's only one chance to make a first impression. The schools that make the strongest on their webpages had a well-developed sense of identity, school pride, and department branding.
- <u>Targeting Industry:</u> CMU and Stanford are the only schools that do not address industry affiliates in any way.

While we know who our users are, we can only guess at who the CMU competitors determine to be theirs. This is probably the cause of the wild variation in tactics employed among the competitor websites.

Moving forward, we will continue down the path of least resistance—at least, for the website user. We will utilize best practices for the highest ease of functionality and navigability. We will make sure they will know where they are going at all times.

Appendix I



Appendix I

### MASSACHUSETTS INSTITUTE OF TECHNOLOGY





### **UNIVERSITY OF WASHINGTON**



Appendix I

### UNIVERSITY OF CALIFORNIA BERKELEY





### **CORNELL UNIVERSITY**


Appendix I

## **BROWN UNIVERSITY**



Appendix II

## **UNIFIED GRADING SCALES**









# **UNIFIED GRADING SCALES**

#### **Degree Pages** Difficult Easy to Use to Use CMU 0--0 **STANFORD** -0 0-ΜΙΤ -0 0-UW 0-**—**0 BERKELEY -0 0-CORNELL -0 0-BROWN 0--0

## Faculty and Research Interest



### **Faculty and Student Projects**





# **UNIFIED GRADING SCALES**

#### **Program Identity** Weak Strong Impression Impression CMU 0--0 **STANFORD** 0--0 ΜΙΤ **—** 0-UW \_\_0 0 BERKELEY -0 0-CORNELL 0-\_0 BROWN -0 0-

### **Targeting Industry**

