

tear here



**HARVARD**  
School of Engineering  
and Applied Sciences

# THE CS 50 FAIR

December 8, 2009 @ Northwest Science Labs.



Earn stickers from students and earn chances to win the raffle!  
See inside for more details.

Name: \_\_\_\_\_

E-mail: \_\_\_\_\_

Phone: \_\_\_\_\_

PLACE ►  
STICKERS  
HERE!







# This is CS 50.

## welcome

Welcome to the CS 50 Fair! CS 50 is a first course in computer science for concentrators and non-concentrators alike. More than just teach you how to program, this course teaches you how to think more carefully and how to solve problems more effectively. As such, its lessons are applicable well beyond the boundaries of computer science itself. That the course does teach you how to program, though, is perhaps its most empowering return.

The climax of this course is its final project, an opportunity to take your knowledge of programming out for a spin and develop your very own piece of software.

You can take CS 50 at the College or through the Extension School (as CSCI E-52).

On exhibition today are the accomplishments of Fall 2009's 300+ students. This is the CS 50 Fair. This is CS 50.

## the raffle

Whether you are a student in CS 50 or just here to see some projects, you are eligible to partake in today's raffle. Earn stickers from students and earn chances to win!

**Step 0:** Ask each student whose project you see for a sticker.

**Step 1:** Apply that sticker to this program's cover, up to a maximum of 12.

**Step 2:** Tear off this program's cover and drop it in the raffle box on your way out.

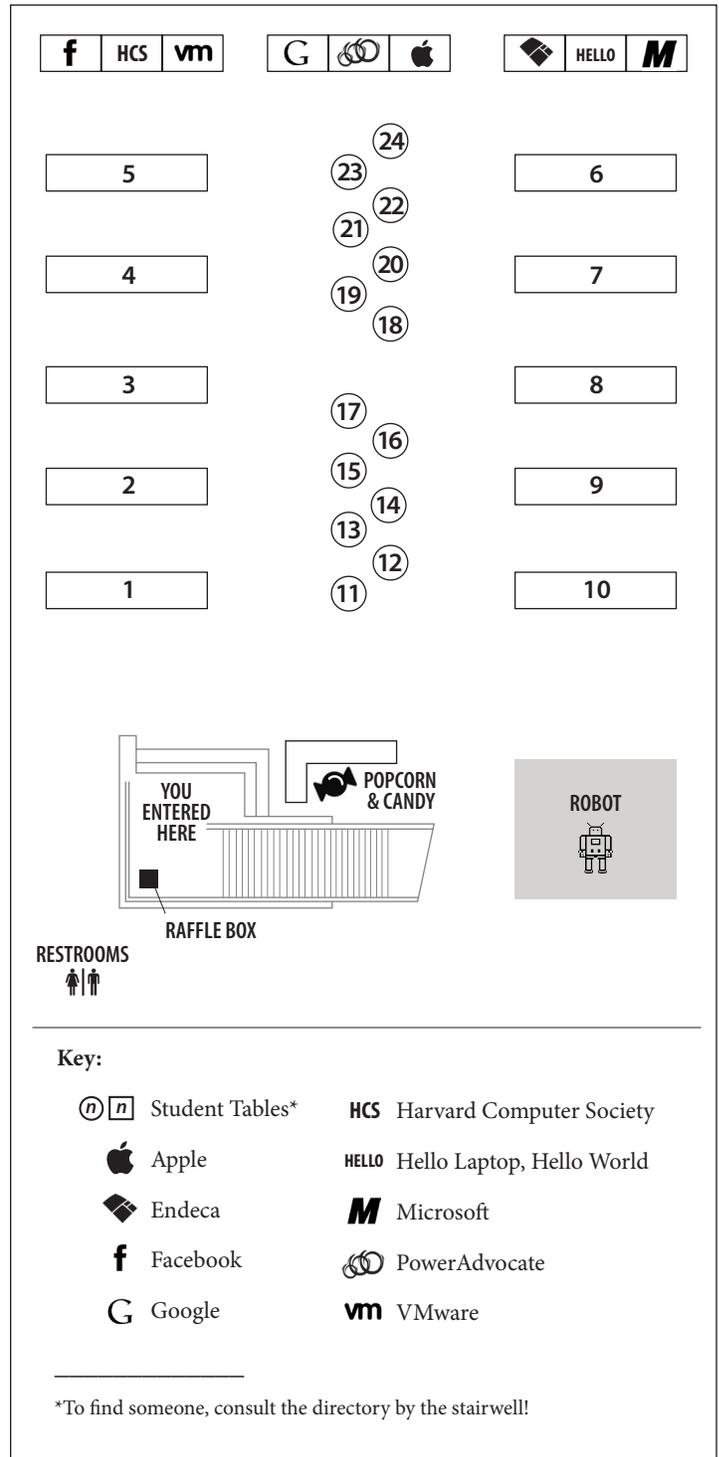
A cover page with  $n$  stickers means  $n$  chances to win one of today's prizes!†

**Prizes:** Kindle, Wii, Xbox 360 Elite, PS3, Nintendo DSi, Mac Mini, Flip MinoHD camera, Zune, Visual Studio Pro 2008, Wireless Desktop Bluetrack, Wireless Laser Mouse, Office Ultimate 2007, Halo 3 ODST (for Xbox 360), Viva Piñata Trouble in Paradise (for Xbox 360), Age of Empires the Asian Dynasties, Fable II (for Xbox 360), \$50 VISA card, 4000 Xbox points.

Check [www.cs50.net](http://www.cs50.net) tomorrow to see if you've won!

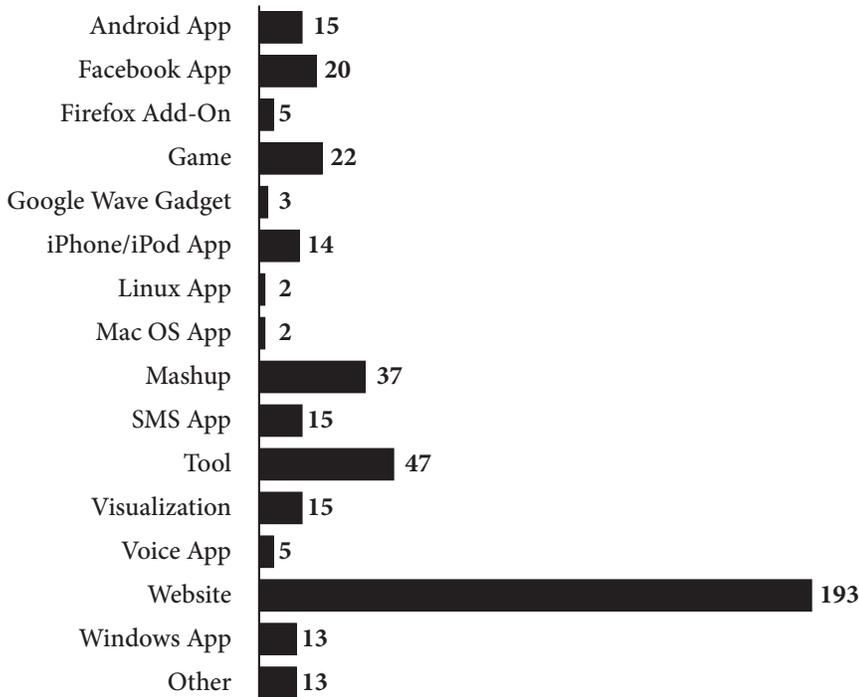
† You can only get a maximum of 12 chances, though we encourage you to see more projects!

## map

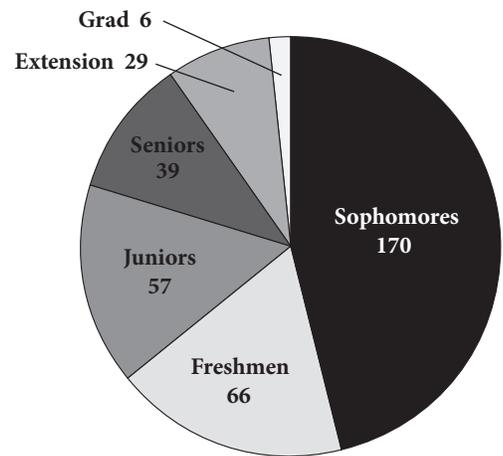


# fun facts

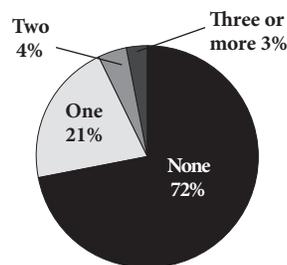
## What kind of projects are here?



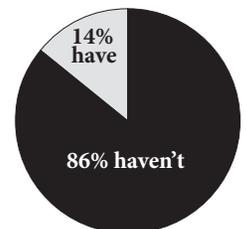
## Who's in the class?



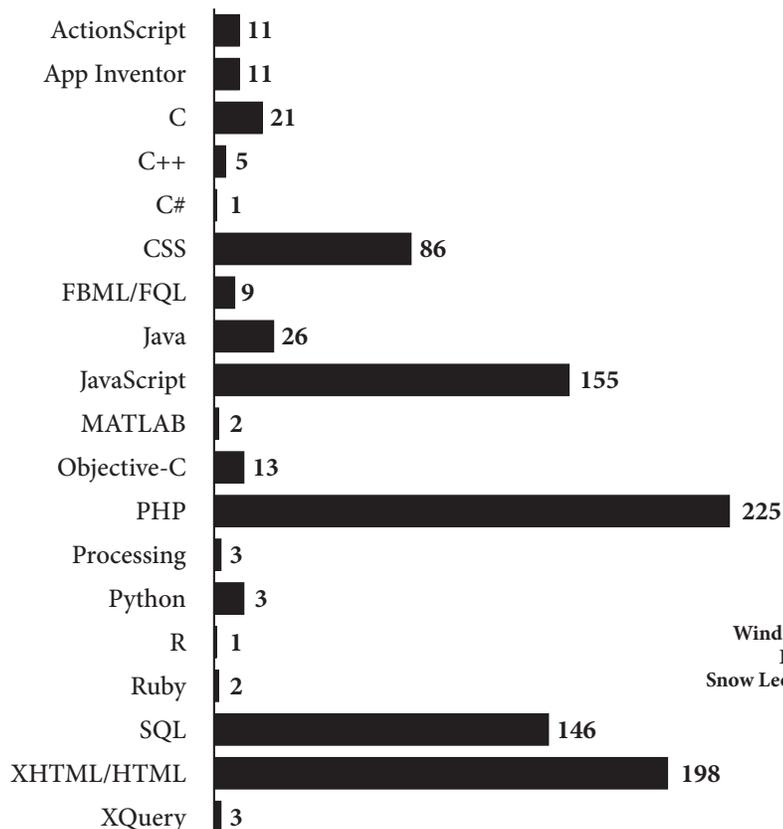
## Prior CS Courses?



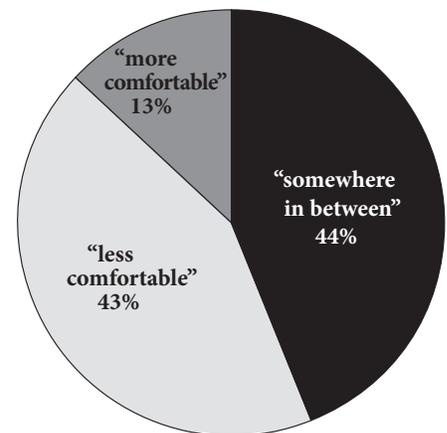
## Who's taken AP CS?



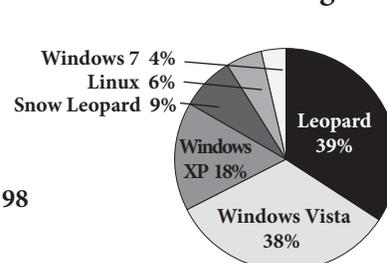
## What languages were used for the projects?



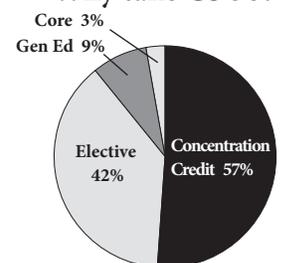
## Comfort Level with Computers (back in September 2009)



## Who's running what?



## Why take CS 50?



# the projects

TOOL, VISUALIZATION, WEBSITE

## 6 Degrees

Rick Goldstein '12, Statistics; Ashin Shah '12, Applied Mathematics  
*An application to measure distances across social networks.*

WEBSITE

## Academia

Jacek Rycko '10, Economics  
*A website allowing academics to collaborate: exchange messages, post files, and form research groups.*

FIREFOX ADD-ON

## Access and Watch Your/Your Friends'/Anyone's YouTube Favorite Videos

Chung Yao Yu '12, Chemical and Physical Biology  
*A Firefox Add-on that empowers you to browse through your friends' favorite videos.*

TOOL, VISUALIZATION

## Afternoon Concert Generator

Shiya Wang '13  
*A quintessential tool for the WHRB classical music DJs!*

GAME

## Air Dodgers

Scott Roben '12, Visual and Environmental Studies  
*Bring this bird safely to the other side!*

ANDROID APP

## Almost There

Tal Oppenheimer '12, Neurobiology  
*An android application the allows you to automatically text someone when you are a certain number of miles away from arriving at a location.*

ANDROID APP

## An Android's Star Chart

Christopher Madl '12, Engineering Sciences  
*An interactive, detailed star chart for astronomers on the go.*

ANDROID APP

## Android Arcade

Melissa Niu '13; Konlin Shen '13  
*Four mini-games for the Android Phone.*

TOOL, WEBSITE

## ArrowPusher

Peyton Shieh '10, Chemistry

*Draw and share organic chemistry online!*

ANDROID APP

## Aster&Droid

Naor Brown '13; Wen-Yuan Yao '13  
*A classic shooting game with Google Android's accelerometer and compass!*

IPHONE/IPOD APP

## Asthma Guidelines for the Iphone

Hannah Gommerstadt '13; Gabrielle Ehrlich '13  
*An Iphone application for doctors to use that deals with asthma.*

WEBSITE

## Author Updates

Luke Salisbury '12, Engineering Sciences (SB)  
*A website that notifies you when your favorite authors publish new works.*

TOOL

## Automated Musical Arrangement

James Winter '11, Applied Mathematics  
*A website to aid in beginner jazz arranging.*

VISUALIZATION, WEBSITE

## Automate Poetry

Caroline Cuse '13  
*Create poems with randomness and see your results!*

WEBSITE

## Automated Trading System Simulator

Charles Li '12, Computer Science  
*A website that allows users to calculate the profit made by a simple trading system.*

WEBSITE

## Awkward Turtle

Lauren Russell '12, Classics  
*Ever had an awkward moment? Post it here!*

IPHONE/IPOD APP

## BarFinder

Kevin Murphy '12, Engineering Sciences (SB); Adam Chrissis '12, Applied Mathematics; Michael Gedeon '12, Engineering Sciences (SB)  
*Find the closest bar to you!*

FACEBOOK APP, GAME

## Big Two

Stanley Zheng '12, Applied Mathematics; Devon Long '12, Computer Science

## PROBLEM SET 0: Scratch



Create your own animation, game, or interactive art.

*Play Big Two against all your friends on Facebook!*

FACEBOOK APP, SMS APP

## Birthday Bump

Terry Ding '11, Applied Mathematics  
*Never forget a friend's birthday again!*

FACEBOOK APP

## Blogglet

Carlos Rodriguez-Russo '13  
*Let your online voice be heard--by the people who actually care!*

ANDROID APP

## Brick Destroyer

Jonathan Mizrahi '10, Economics  
*Modeled after Blackberry's Brick Breaker, it's the perfect way to waste time during class.*

WEBSITE

## Bronxville Tutors

Leighton Welch '13  
*A website to match students and tutors.*

ANDROID APP

## Business App

Erfan Soliman '12, Engineering Sciences (SB)  
*The Business App provides access to news from around the world, simplifies job searches, and provides access to stock quotes.*

WEBSITE

## Cabot House Room Search Enhancer

Gordon Mason '11, Economics

A tool for providing additional criteria for springtime room selection in the form of a searchable database.

## WEBSITE

**CabShare**

Katie Sierks '12, Engineering Sciences (SB)  
Share a cab, save money!

## WEBSITE

**Card Counter**

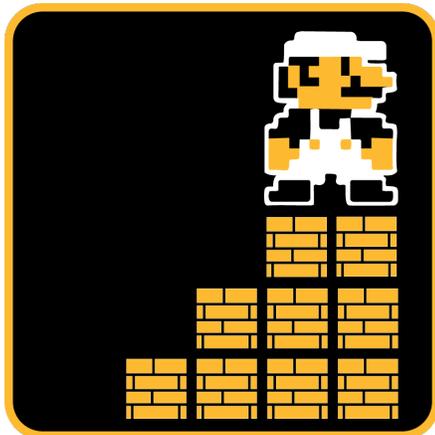
Alexander Saal '13  
A website that will count cards for you.

## FACEBOOK APP

**Cartofilos**

James Hawrot '12, Human Evolutionary Biology  
Find where your Facebook friends are from.

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**PROBLEM SET 1: C**



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**Meet Linux and C.**

## JAVA APP

**Chess50**

Alec Kunkel '12, Mathematics  
Intuitive multiplayer chess program with customizable aesthetics.

## WEBSITE

**Christians on Campus club site**

Titus Jahng '12, Mechanical Engineering  
Club info, schedule, and written fellowship by club members.

## WEBSITE

**Chromosome Browsing**

Isha Jain '12, Chemical and Physical Biology  
A website that allows the user to browse literature searches via an interactive chromosome map.

## MASHUP

**ClassFinder**

Yonatan Kogan '12, Physics  
Find the most efficient way to go from class to class!

## WEBSITE

**College FML Mobile**

Jonah Varon '13  
The mobile version of College FML, a network of FML websites at colleges nationwide.

## MASHUP, WEBSITE

**College Search**

James Johnson '13  
A website for finding news and useful information about colleges and laying them out on Google Maps.

## MASHUP, TOOL, WEBSITE

**CommonPlace**

Jonathan Levine '12, Linguistics  
Connect with your community.

## WINDOWS APP

**Computerized Theory of Mind Task**

Caitlin Carey '13  
An assessment for use in psychology research.

## WEBSITE

**Concentration Finder**

Emily Lambert '12, Applied Mathematics  
Find your ideal concentration at Harvard!

## TOOL, WEBSITE

**Contact Spider: Address Books 2.0**

Edward Kogan '12, Molecular and Cellular Biology  
Reclaim your address book! Update and combine all of your contacts' information in one place.

## GAME

**Conway's Game of Life**

Alan Palmer '11, Applied Mathematics  
Simulates "Conway's Game of Life" from an initial starting position.

## TOOL, WEBSITE

**Cowboy Clint Miller**

Clayton Miller '10, Psychology  
The homepage for Cowboy Clint Miller.

## WEBSITE

**Country Cottage**

William Mulholland '12, Engineering Sciences  
A website that allows users to rent a holiday cottage.

## MASHUP, WEBSITE

**CourseCalendar**

Michael Oberst '12, Applied Mathematics  
Search for prospective courses and add them to your Google Calendar!

## MASHUP, WEBSITE

**Course Mapper**

Curtis Wilcox  
A web site for visualizing course meeting locations and times.

## WEBSITE

**Crimson Bazaar**

Ethan Kruse '12, Astrophysics  
Buy and sell your textbooks, MCAT, LSAT, GRE books, and other items in one location, without spamming email lists!

## WEBSITE

**Crimson Cocktails**

Sean Murphy '12, Applied Mathematics  
Find cocktail recipes with ingredients from the Dhalls!

## WEBSITE

**Crimson DG**

Kelly Quinlan '11, Comparative Study of Religion  
Home of the Zeta Phi chapter of Delta Gamma at Harvard!

## WEBSITE

**CrimsonExchange**

Preya Shah '13  
A consolidated online marketplace for Harvard students to buy and sell goods such as used textbooks.

## WEBSITE

**CrimsonList**

Kane Hsieh '12, Computer Science; Sasank Konda '12, Computer Science  
Harvard's Craigslist.

## WEBSITE

**Crimson Photo Board Blog**

Adam Sidman '10, Engineering Sciences  
A blog for The Harvard Crimson Photo Board to discuss photography.

## WINDOWS APP

**Crimson Squash**

Richard Hill '11, Applied Mathematics  
Record and analyse your squash match in real time!

## WEBSITE

**Crimson Venue**

Feifei Yi '12, Economics  
Find the right venue on campus!

## TOOL

**Cryptography throughout the Ages**

John Casale '12, Mathematics

*A program to encrypt and decrypt messages with various ciphers from the Roman empire to World War II and beyond.*

## SMS APP

**CS50 Text Service**

Owen Curtis '11, History of Art and Architecture; Daniel Sullivan '11, Economics; Jasmine Robinson '11, Linguistics

*Check you e-mail via text.*

## GAME

**C Settlers**

Emily Wells '12, Applied Mathematics  
*Implementation of Settlers of Catan using ncurses (longest road bonus, trading with other players, and ports not included).*

## SMS APP, WEBSITE

**DailyBasal.com**

John Armstrong

*A website for recording daily Basal body temperatures.*

## FACEBOOK APP, TOOL, WEBSITE

**Daily Dose of Harvard**

Juliana Cherston '13

*A Facebook App that provides you with a daily Crimson article customized to your interests.*

## WINDOWS APP

**Database for a Dominican Doctor**

Andrew Lin '12, Computer Science; Nan Du '12, Engineering Sciences (SB)

*Windows application that will manage patient and appointment information.*

## WEBSITE

**Debase**

Elliot Stein '13; Jillian Jordan '13; Anna Roth '12, Applied Mathematics

*A database that stores post-round debate information so that high-school and college policy debate rounds can be more competitive, educational, and fair.*

## SMS APP

**DebtBuddy**

Nihar Shah '11, Economics

*Keep track of casual debts between friends through text messages.*

## TOOL, VISUALIZATION, WINDOWS APP

**Democracy in the World**

Sergius Wat '11, Government

*This project is a data visualization of*

*democracy indicators in various countries around the world (based on the Freedom House rankings from 1972-2009).*

## GAME, TOOL, WINDOWS APP

**Digi-Court**

Andres de la Llera Kurth '13

*Keep track of tennis match statistics!*

## SMS APP, WEBSITE

**DinerBoy**

Christopher Shannon '13

*A way to see what is being served at the dining hall through text messaging.*

## LINUX APP, WINDOWS APP

**Disk Destroyer**

Nikolus Ray '11, Economics; Nikolus Ray '11, Economics

*Securely erase a hard drive by using build-in hardware-level commands.*

## WINDOWS APP

**Dominion: Computer Edition (nonofficial)**

Aaron Szasz '12, Physics

*Enjoy Dominion? Play it on your PC!!*

## TOOL, WEBSITE

**Dorm Crew Digitized**

Paul Yarabe '13

*Sign out bathrooms in style!*

## WEBSITE

**Doug's CourseFinder**

Douglas Muhlestein '13

*A website to help you find courses based on your priorities.*

## WEBSITE

**Drug-Drug Interaction Database**

Amy Tai '13

*A database of drug interactions for interested individuals and researchers in the field.*

## WEBSITE BASED GAME

**Duck Hunt!**

Nathaniel Donoghue '10, History

*See how many ducks you can hit in this classic game!*

## GAME, WEBSITE

**E-pets**

Heng Hao, G-6; Zhefeng Li, G-6

*A website for raising electronic pets.*

## WEBSITE

**Electronic Course Adviser**

Idriss Fofana '11, Physics

*A website to help students find courses that suit their interests and tastes.*

## WEBSITE

**Elephantme- The Anniversary Reminder**

Kristina Barile '12, Engineering Sciences (SB)

*Sends email reminders and tips for an upcoming anniversary.*

## WEBSITE

**E-Moderator**

Alec Barrett '11, Government

*This project is designed to assist moderators at Model United Nations conferences. The website will keep track of which countries are present, who has spoken, and which resolutions are passed in each committee. The project will keep all this information in a safe, easily accessible location from which it can be shared with other conference staff.*

## VISUALIZATION, WEBSITE

**Event Web**

Jennifer Xia '12, Applied Mathematics

*A visualization of related events on campus.*

## WEBSITE

**FCB Mobile**

Andres Uribe '12, History

*A website for FC Barcelona fans with real lives on the side, allowing them to receive live scores and headlines regarding the team via SMS.*

## WEBSITE

**FDO Movies**

Luis Duarte '13; Keoni Correa '13

*A revamped version of the FDO Movie Club Website.*

## FACEBOOK APP

**Find Your Friends**

Sarah Campbell '12, Engineering Sciences

*A Facebook application for finding the current location of friends.*

## VISUALIZATION, WEBSITE

**Flashcards on Crack: A Better Way to Study**

Rebecca Levitan '12, Linguistics

*A way of creating your study guides and flashcards so you can truly see the connections among all the individual facts.*

## FIREFOX ADD-ON

**Flex Thunderbird Notifier**

Jeffrey Kalmus '12, Mathematics

*An add-on for customizing Thunderbird's e-mail notifications.*

## GAME

**Flight Simulator**

Justin Chew '11, Neurobiology  
*A basic flight simulator implemented in Java 3D.*

## FACEBOOK APP

**FootballFrenzy**

Scott Fritz '12, Computer Science  
*Stand behind your favorite pro football team on Facebook!*

## TOOL, WEBSITE

**FOP Gear and Request Database**

Louise Hindal '12, Engineering Sciences (SB)  
*A website for cataloging and requesting FOP gear.*

## FACEBOOK APP, MASHUP

**Friend Map**

Tomomichi Amano '12, Economics  
*Find out where your friends live on an interactive map.*

## JAVA APP

**Game of Life**

Adina Feier '12, Mathematics  
*Java application implementing a classic example of a cellular automaton.*

## FACEBOOK APP

**GeoStats**

Samuel Saidel Goley  
*Plot your friends on a Google map by network, interest, activities, and more!*

## WEBSITE

**Ghobi**

Gabriel Neustadt '13; Scott Sansovich '13; Tyler Faux '13  
*A way for friends to instantly and efficiently coordinate activities together.*

## WEBSITE

**Give Market**

Sam Steyer '11, Applied Mathematics  
*Buy and sell charitable outcomes!*

## WEBSITE

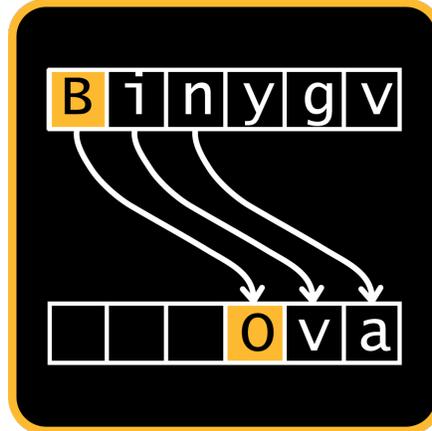
**Global News**

John Yusufu '12, Engineering Sciences (SB)  
*News from across the globe, sorted by continent and country.*

## WEBSITE

**Global News Now! (GNN)**

Jonathan Kola '12, Engineering Sciences  
*My website highlights the regions of the*

**PROBLEM SET 2: Crypto**

Encrypt and decrypt sensitive information.

*globe where the most sourced and talked about news stories are from.*

## SMS APP

**GOCRIMSON**

Kirsten Van Fossen '12, Environmental Engineering  
*A text service that provides information about Harvard's home varsity athletic events.*

## SMS APP

**GoCrimson SMS Updates**

Julia Howland '12, Social Studies  
*A SMS text service to find out score and game updates for Harvard athletics.*

## TOOL, WEBSITE

**Good Morning**

Jesse Ge '10, Economics  
*Useful information to wake up to - in email form!*

## GOOGLE API, MASHUP, TOOL

**Google Form to Google Calendar Population Tool**

Christopher Kleinhen '10, Psychology  
*A tool that enables Google Calendar events to be populated from Google Forms.*

## WEBSITE

**Got Jazz?**

Aleksandra Syrkina '12, Engineering Sciences  
*Find and discuss NYC jazz clubs and concerts!*

## WEBSITE

**Got Wifi?**

Ben Hur Gomez '11, Economics  
*Find nearby wifi hotspots!*

## MASHUP, TOOL, WEBSITE

**Graduation Buddy**

Elizabeth Cook '10, Applied Mathematics  
*A website that uses your Harvard student record to calculate your departmental GPA and that guides you on what to take next to graduate.*

## ANDROID APP

**Guardian**

Olga Zinoveva '12, Molecular and Cellular Biology  
*Keep safe from crime by knowing where it happens.*

## WEB APP

**H-Chat**

Thomas Snell '13; Robert Nishihara '13  
*Anonymous stranger chat for the Harvard community.*

## LINUX APP, VOICE APP, WINDOWS APP

**HAL Py-thousand**

Thomas Rice '12, Astrophysics  
*HAL listens to your voice and gets data from the Internet!*

## WEBSITE

**HarSKY - Course Calculator**

Kevin Lee '12, Economics; Yunan Jin '12, Engineering Sciences (SB); Sanjay Misra '12, Applied Mathematics  
*A better my.harvard course planner, OUR. harvard course planner.*

## WEBSITE

**Harvard Admissions Tour Guides**

Taylor Shimberg '12, Applied Mathematics  
*A website that organizes the Harvard Admissions Tour Guides Schedule.*

## WEBSITE

**Harvard Assassins**

Jacqueline Quinn '12, Engineering Sciences (SB); Nick Stanford '12, Chemical and Physical Biology  
*Let us organize your Assassins games for you!*

## WEBSITE

**Harvard Book Barter**

Daniel Bruder '12, Engineering Sciences  
*A website for buying and selling Harvard Textbooks.*

## WEBSITE

**Harvard Club Field Hockey**

Alison Lee '12, Engineering Sciences;  
Caroline Quazzo '12, Engineering Sciences  
*A website for the Club Field Hockey Team.*

## WEBSITE

**Harvard Crew Website**

Kate Caputo '12, Mechanical Engineering  
*A website for Harvard rowers to plan practices and communicate with each other.*

## FACEBOOK APP

**Harvard Daily App**

Renee Stern '13  
*A Facebook app to get helpful information for your day before you leave for class.*

## TOOL, WEBSITE

**Harvard Dinner Plans**

Kelly Holt '12, Engineering Sciences (SB); Nathan Hipsman '12, Applied Mathematics  
*Find your friends at Harvard dining halls!*

## MAC OS APP, TOOL

**HarvardEvents Dashboard Widget**

Ellen Yan '11, Economics  
*A lightweight application with which to quickly glance and access HarvardEvents right on your Mac desktop.*

## TOOL, WEBSITE

**Harvard Foodness**

Raj Bhuptani '13  
*A website which allows users to view information on dining options based on the current date and time, taken from restaurants in Harvard Square and from HUDS facilities.*

## SMS APP

**HarvardFood sms**

Sam O'Connor '12, Engineering Sciences (SB)  
*Receive HUDS menu items by text.*

## GOOGLECALENDAR

**Harvard Game Watcher**

Meghan Leddy '12, Applied Mathematics  
*A Google Calendar that organizes all of the varsity sports games so that students can easily know when their classmates are competing.*

## VISUALIZATION

**Harvard LabMap**

Fernando Racimo '11, Organismic and Evolutionary Biology  
*An ActionScript-based interactive tree*

*map that lets users find any lab in any department of FAS and access its website.*

## TOOL, WEBSITE

**Harvard Lexicon**

Punit Shah '12, Social Studies  
*A crowdsourcing website to catalog and share Harvard's acronyms, jargon, and vernacular (i.e. Harvard-speak).*

## MASHUP, WEBSITE

**Harvard Life**

Sean Singh '12, Chemistry; Wenchi Zhou '12, Molecular and Cellular Biology; Adam Krahn '12, Economics  
*Everything you need in a Harvard Life!*

## WEBSITE

**HarvardMLIA**

Daniel Farrell '10, Neurobiology  
*Share your Ve-Ri-Normal experiences.*

## WEBSITE

**Harvard Open**

Soumya Nettimi '11, Applied Mathematics  
*A meeting place for Harvard students to buy and sell used books, furniture, merchandise, etc.*

## WEBSITE

**Harvard Outing Club Gear Database**

Aryeh Gold-Parker '12, Chemistry and Physics  
*The project is a database application that will allow the Harvard Outing Club to better keep track of its gear, members, and trips. The application will enable Outing Club leaders to more easily plan trips and rent gear, and it will let members view lists of upcoming trips and available gear. Additionally, it will record a history of gear loans and trips.*

## MASHUP, TOOL, WEBSITE

**Harvard Pathfinder**

Timothy Kim '13  
*Find the shortest path between two locations in the Harvard campus.*

## MASHUP, WEBSITE

**Harvard Planner Suite**

Kevin Fogarty '12, Physics  
*A tool for more conveniently navigating course selections and Q guide ratings.*

## WEBSITE

**Harvard Private Party Registration Website.**

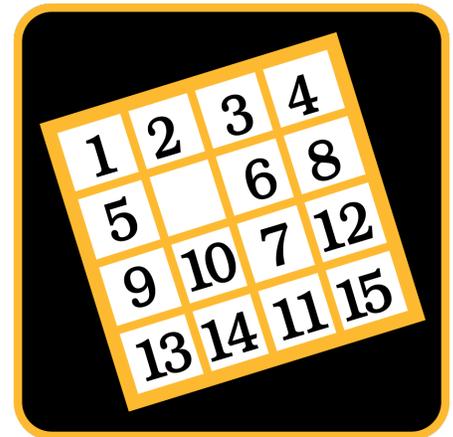
Mudiurasul Hassan '12, Applied Mathematics; Leonard Kogos '12, Engineering Sciences (SB)

*A website for registering private parties at Harvard.*

## WEBSITE

**Harvard Sailing Website**

Tedd Himler '11, Government; Grace Charles '11, Organismic and Evolutionary Biology  
*A website created for current, past and prospective members of the Harvard Sailing Community.*

**PROBLEM SET 3: The Game of Fifteen**

Implement a party favor.

## WEBSITE

**Harvard Square Homeless Shelter Administrative Interface**

Suhas Rao '12, Applied Mathematics  
*A website for managing administrative tasks at the Harvard Square Homeless Shelter.*

## FACEBOOK APP

**Harvard Square Sweets and Coffee**

Meng Iris Li '12, Economics; Xiao Cong '12, Applied Mathematics  
*Find your sweet treat whenever and wherever!*

## VOICE APP

**Harvard Square Voice: Restaurant Hours**

Yukun Li '13  
*A voice application for finding the operating hours of restaurants in Harvard Square.*

## MASHUP, WEBSITE

**Harvard Study Guide Library**

Nicholas Pomata '13  
*An interface for creating and viewing study guides for Harvard courses.*

## WEBSITE

**Harvard University Portal**

Brian Feldman '13; Parker Lawrence '12, Philosophy; Baris Ercal '10, Molecular and Cellular Biology

*Want to know what everyone at Harvard is up to? Find out at the Harvard Portal.*

## MASHUP, WEBSITE

**Harvard Wayfinder**

Mark Theilmann '12, Molecular and Cellular Biology

*A website to give directions and the shortest route across campus.*

## TOOL, WEBSITE

**HCMC Runs Blog**

Cara Aiello '12, Linguistics

*A website and email notification system for organizing runs that Harvard College Marathon Club members post.*

## WEBSITE

**HCSDC**

Elizabeth Mak '12, English

*An online archive of past stage design work on campus.*

## WEBSITE

**HiFinance**

John Zhou '10, Applied Mathematics; Xin Pan '10, Applied Mathematics

*HiFinance is your finance portal and trading platform.*

**Hong Kong's Soho Guide**

Renyi Ang '10, Engineering Sciences  
*Essential for a great night out in Hong Kong!*

## TOOL, WEBSITE

**HRKC Asari!**

Michael Wang '12, Engineering Sciences  
*An easy-to-use user interface to browse through club documents and history.*

## WEBSITE

**HSwap: Making It Easy to Buy and Sell**

Evan Greif '13

*A marketplace for Harvard students.*

## SMS APP

**HUDS Menu SMS**

Ethan Waxman '12, History; Brett Silverman '12, Engineering Sciences (SB)  
*Allows a user to access the HUDS menu via SMS text messaging.*

## IPHONE/IPOD APP

**HUDS Rate and Review**

Christina Zou '12, Applied Mathematics

*Find out what's on the HUDS menu and share ratings and reviews on menu items on your iPhone.*

## FIREFOX ADD-ON

**huSync**

Noah Bruegmann '10, Chemistry and Physics; Duncan Gilchrist '10, Applied Mathematics

*A Firefox add-on to easily access your course documents.*

## IPHONE/IPOD APP

**iDining**

Ben Massenburg '11, Engineering Sciences; Alexander Soutter '11, Economics  
*Browse HUDS menus and keep track of your favorite foods on your iPhone.*

## IPHONE/IPOD APP

**iGetIt Physics: Mechanics**

Scott Crouch '13; Sophie Chang '13

*An iPhone app for high school students designed to guide them through physics.*

## IPHONE/IPOD APP

**iHarvard**

Randy Miller '13

*iHarvard is an iPhone application that will offer Harvard students many services including a map, up to date news, and many other Harvard-related features.*

## MASHUP, WEBSITE

**InfeCS50n Tracker**

Zachary Frankel '11, Physics

*Find the risk of flu near you.*

## MASHUP, TOOL, VISUALIZATION, WEBSITE

**inquiry**

Abraham Lin '10, Molecular and Cellular Biology

*A search engine (and more!) for Q data and official course information.*

## TEXT MESSAGE SENDER, WEBSITE

**Instant Sports Alerts**

Ryan Callahan '13

*Fueling your unquenchable thirst for stats and scores!*

## MASHUP

**Integrating HighRise with Google Spreadsheet.**

Martin Ye '12, Statistics

*A script that syncs information from HighRise with Google Spreadsheet*

## WEBSITE

**iPlanner**

Robert Longcor '12, Engineering Sciences  
*Sort and choose classes based on Q guide data!*

## WEBSITE

**I Saw You - Harvard**

Tej Toor '10, Economics

*A website for missed connections on campus.*

## WEBSITE

**iTradeHarvard.com**

Chioma Madubata '11, Molecular and Cellular Biology; Youran (Annie) Ye '11, History

*Trade goods and services with your classmates!*

## WEBSITE

**IvyGetsGreener**

Rachel Field '12, Engineering Sciences (SB); Jen Gong '12, Applied Mathematics  
*Calculate your contribution to Harvard's environmental friendliness!*

## FACEBOOK APP, WEBSITE

**Ivy Rowing Central**

William Newell '11, Classics; Olivia Coffey '11, Economics

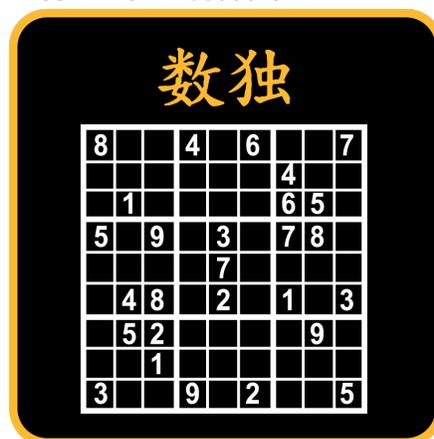
*A conglomeration of Ivy League rowing information.*

## WEBSITE

**johnslist**

Andrew Izaguirre '10, Applied Mathematics

*A website that allows users to advertise*

**PROBLEM SET 4: Sudoku**

数字は独身に限る。

books, furniture and other items for sale within the Harvard community.

FACEBOOK APP

**John Tsai**

John Tsai '13

*How long do you really spend on Facebook?*

MASHUP, SMS APP, TOOL, VISUALIZATION, WEBSITE

**KerbAlert**

Kate Broadbent, G-1

*Looking for a sweet FREE couch? lamp? tv?*

*Signup to receive "KerbAlerts" sent to you via text or email when new Craigslist FREE stuff listings match your interests. Also, you can browse a map of current listings matching your interests at kerbalert.com.*

*Happy Kerbing!*

IPHONE/IPOD APP

**Key Note**

Li Zhou '12, Economics

*Never forget your keys again!*

WEBSITE

**LanguagePals**

Asher Lipson '13

*LanguagePals is a website that connects users based on primary languages and preferences with email penpals for language-learning exchange.*

TOOL, WEBSITE

**Legal Organizer**

Sam Roosz '10, Molecular and Cellular Biology

*A web-based application for improving case records and workflows at a nonprofit law firm.*

MASHUP, WEBSITE

**Let's Hang Out**

Alexander Ratner '11, Physics

*A short-range meet up facilitator.*

SMS APP

**LibraryBoy**

Jeffrey Solnet '12, Government

*Search the Harvard University Library on the go via SMS!*

WINDOWS APP

**Live Sequence**

Kevin Lee '12, Mathematics

*Enables people to use a touchscreen interface to DJ.*

GAME, TOOL, VISUALIZATION, WEBSITE

**Lost Science**

Morgan Pope '11, Physics

*Answers for life's simple questions.*

GAME

**Man Versus Machine: Tic Tac Toe**

Jack Morrissey '12, Chemistry and Physics

*Game of Tic Tac Toe against a computer capable of 'learning'.*

MASHUP, VISUALIZATION, WEBSITE

**Map of Harvard's Energy and Resource Usage**

Daniel Bear '10, Molecular and Cellular

Biology; Sam Bjork '10, Chemistry

*Our project dynamically displays the energy and resource usage of every building on Harvard's campus using the HarvardMaps interface.*

MASHUP, TOOL, WEBSITE

**Map Your Run!**

Caroline Wu '11, Economics

*A website for mapping your runs.*

WEBSITE

**March Madness**

Julia Hansbrough '13

*Fill out your NCAA tournament bracket and enter a pool to win!*

WEBSITE

**Mass Email Personalization**

Brian Riemer '12, Economics

*Personalize your mass emails!*

TOOL, WINDOWS APP

**Mass Spectrometry Data Analyzer**

Joshua Green '10, Chemistry

*An all-in-one program for analyzing mass spectrometric data in coordination with the XCMS software package.*

WEBSITE

**Medcherche**

Yunsoo Kim '11, Chemical and Physical

Biology

*A website for info on medical issues and treatments.*

ANDROID APP

**Medicine Cabinet**

Shiyu Wei '10, Mathematics

*An application for smart phones to alert you when to take your medicine.*

MASHUP

**Menu Mashup**

Helen Yu '12, Economics

*Find a restaurant anywhere in the USA!*

FIREFOX ADD-ON

**Mercury**

Kenrick Licorish '11, Neurobiology

*A research toolkit which emphasizes speed and efficiency.*

WEBSITE

**MHASP Red Group Website**

Veda Eswarappa '12, Engineering Sciences (SB)

*This is a website for Red Group of the Mission Hill After School Program.*

GAME, TOOL, WEBSITE

**Microeconomics Market Simulation**

James Wilsterman '10, Economics

*Run your own corporation in a fun and educational online microeconomics game!*

WEBSITE

**Mission Mentor**

Theodora Skeadas '12, Philosophy

*A website for Mission Mentor, one of the PBHA's one-on-one mentoring programs.*

SMS APP, TOOL, WEBSITE

**mobmail**

Tommy Macwilliam '13

*Text message based email for non-smartphones*

SMS APP, WEBSITE

**Moviego**

Hanny Rivera '12, Organismic and Evolutionary Biology; Brandon Ortiz '12,

Romance Languages and Literatures

*Find theaters and showtimes via SMS!*

IPHONE/IPOD APP

**Munchies**

Eason Hahm '12, Engineering Sciences;

William Marks '12, Engineering Sciences (SB)

*Find the closest food at Harvard at all hours of the day!*

WEBSITE

**Musical events**

Bryan Chuan '11, Music; Bryan Chuan '11, Music

*A website that reduces e-mail spam by having a centralized display of musical events.*

WEBSITE

**Music Engine**

Snoweria Zhang '12, Engineering Sciences

*Find the song that's been in your head without using the lyrics.*

WEBSITE

**Music Group Home Page**

Michael Robert Caldwell '13

*Website for a college music group.*

## TOOL, WINDOWS APP

**Music Harmonization Generator**

Russell Huang '12, Physics

*Input a MIDI file with a one-track melody, get back a MIDI file with an attempted chordal harmonization. Astound your friends and bedevil your enemies... musically.*

## FACEBOOK APP

**My College App**

Lauren Carvalho '11, Neurobiology

*A Facebook application that meshes social networking with the college application process!*

## ANDROID APP

**My Favorites**

Katherine Obst '12, Engineering Sciences

*Easy access to your favorite contacts.*

## WEBSITE

**myGroup: [www.my-harvard.com](http://www.my-harvard.com)**

Abdelnasser Rashid '12; Muhammad

Yousuf '12, Engineering Sciences

*The best online tool for student groups!*

## WEBSITE

**MyMeds**

Margarita Krivitski '11, Applied

Mathematics

*Get text-message reminders about your medications and give doctors & pharmacists access to a complete medication history, including OTC and prescription drugs as well as herbal remedies.*

## WEBSITE

**MyStat**

Matthew Mulroy '12, Environmental Science and Public Policy

*Make better-informed decisions by tracking your day-to-day progress with MyStat!*

## VOICE APP

**Nom Nom Now: Crimson Edition**

Diana Cai '13

*Find out the hours of a dining hall and and the menu with a simple phone call!*

## WEBSITE

**Number to Words!**

Yi Han '12, Engineering Sciences (SB)

*Does your number make cool words? or a sentence?*

**PROBLEM SET 5: Forensics**

Recover lost photos. Solve a murder mystery.

## GAME, WEBSITE

**Online Chinese Chess**

Yang (Helen) Han '11, Applied

Mathematics

*A website for playing Chinese Chess with a friend turn-by-turn through email notifications.*

## TOOL, WEBSITE

**Optimum Health**

Richard Loomis

*Get preventive medicine recommendations.*

## TOOL, WEBSITE

**Pack Leader**

Brittney Lind '11, English

*A website to help student organization leaders manage membership information, find grants, reserve rooms, and more - all in one place.*

## GAME

**Pacman**

Yingkang Duan '13

*This is an old arcade game that I am going to implement my own version of in C.*

## MASHUP, TOOL, VISUALIZATION, WEBSITE

**PaleoMap**

Lewis Ward '11, Organismic and Evolutionary Biology

*Maps fossil occurrence data onto Google Maps.*

## MASHUP, WEBSITE

**PBHA General Application**

Shu Yang '10, Molecular and Cellular Biology

*A general application for potential*

*volunteers to send relevant information to all public service programs of interest.*

## WEBSITE

**Peer Advising Fellows Website**

Hilary Roberts '12, Engineering Sciences

*An organizational tool for Peer Advising Fellows.*

## VOICE APP

**Personal Assistant**

Douglas Reed '12, Chemistry and Physics;

Gilberto Lopez '12, Astrophysics

*Keep track of your daily appointments with just a call!*

## GOOGLE WAVE GADGET, WEBSITE

**Phorum**

John Mussman '12, Physics

*A forum for the future of philosophy.*

## SMS APP, TOOL, WEBSITE

**PickyEater**

Miranda Lippold-Johnson '11, Linguistics

*PickyEater is a public service for all Harvard undergraduates! It is a web-based application that allows you to register to receive text-message alerts on days when your favorite foods are in the dining hall. Love falafel? Never miss it again!*

## WEBSITE

**Pilot website for MX Photography**

Maria Xia '11, English

*A website for a hypothetical photography business. Features a user-interactive image portfolio.*

## WEBSITE

**Plan-of-Study Generator**

Duncan Watts '12, Physics

*A website that takes courses you want to take as input and returns a plan of study, specifically cores and Gen Ed courses.*

## WEBSITE

**Power to the Manager: The Ultimate Fantasy Soccer Simulation**

Samir Patel '12, Engineering Sciences (SB)

*A fantasy soccer simulation that empowers individuals to choose their own settings, mode of play, and league of interest.*

## TOOL, WEBSITE

**Procrastination Defeater 1.0**

Lai Man Raymond Ko, G-1, Evolutionary Biology

*An interactive planner which helps users to stop procrastination.*

## WEBSITE

**Project Planner**

Elizabeth Piligromova '13  
Plan long projects appropriately!

## GAME

**Prossword Cuzzle**

Alex Houser '12, Engineering Sciences (SB); Collin Rees '12, Engineering Sciences  
A Crossword Puzzle game that allows users to play a variety of different puzzles.

## MASHUP, WEBSITE

**Pudding Us Together Again**

Chase Carpenter '12, Literature; Ryan Halprin '12, Neurobiology  
Hasty Pudding Alumni Message Board and network tool.

## WEBSITE

**QPanion**

John Zhao '12, Chemical and Physical Biology; Johnny Hu '11, Chemical and Physical Biology  
The BETTER way to find a course!

## GAME, WEBSITE

**Quick Reference: Multivariable Calculus**

Jon Gonzales '13  
A website that provides handy multivariable calculus study material.

## WEBSITE

**Racecar Engineering**

Patrick Staropoli '12, Engineering Sciences (SB)  
Reinventing the wheels on your late model stock car!

## GAME, IPHONE/IPOD APP

**Racer**

Geoffrey Oberhofer '10, Neurobiology  
An iPhone app that lets you race your friends, regardless of where they are geographically.

## ANDROID APP

**Remember My Life**

Anna Marie Wagner '11, Applied Mathematics  
An all-encompassing personal organizer for the Google Android phones.

## TOOL, WEBSITE

**Research eNotebook**

Sarah Shareef '12, Engineering Sciences; Anastasia Roda '12, Organismic and Evolutionary Biology  
A web-based tool that allows researchers

to organize research articles, easily relocate these articles, and take downloadable notes.

## WEBSITE

**ResearchRover**

Allison Rosenberg '12, Neurobiology  
Keep up to date on new research published in your area of interest.

## WEBSITE

**Resource Efficiency Problem Reports**

Hal Nichols '10, Government  
A website that allows members of the Harvard Community to report "efficiency violations" when they observe wasted energy or resources around campus to the Resource Efficiency Program.

## FIREFOX ADD-ON

**RIAAout**

Scott Snyder  
A Firefox add-on to indicate whether Amazon MP3s are released by a member of the RIAA.

## WEBSITE

**Rides Home**

Alana Pradhan '13  
A website to find people who live near you and with whom you could possibly carpool with over the holidays.

## WEBSITE

**Room Reservations**

Jeremy Cushman '12, Physics; Christian Bjartli '12, Mathematics  
A complete room reservations and scheduling framework that interfaces with Google Calendar.

## GAME

**Rubik's Cube in C**

Peter Hung '12, Chemistry and Physics  
A dynamic Rubik's Cube that can be manipulated, be scrambled, or just plain solve itself.

## WEBSITE

**Run With Me**

Neil Curran '12, Applied Mathematics  
Get Up Heartbreak Hill with Friends

## GOOGLE WAVE GADGET, WEBSITE

**ScheduleMe**

Michael Graham '10, Chemistry  
Find a time when you and your friends are free!

## WEBSITE

**Schedulize**

Timothy Olds '10, English

A scheduling website that sends email reminders to students as deadlines approach.

## MAC OS APP

**Score Tracker**

Malgorzata Dymerska '12, Engineering Sciences; Vijayalakshmi Parthasarathy Parthasarathy '12, Engineering Sciences (SB)  
Get the most recent score of your favorite major league sports team!

**PROBLEM SET 6: Mispellings**

**Teh Computer Science 50 learnz you about intertubes in teh cloudz. David J. Malan will pwn u ftw so watch out!**

Implement a spell-checker that's faster than your classmates'.

## WEBSITE

**Search, Re**

Rashid Yasin '12, Engineering Sciences  
A research organization tool.

## GAME

**Segfault**

Kathryn Bennett '13  
A CS50 quiz review game.

## MASHUP, WEBSITE

**Sergiy's home page**

Sergiy Nesterko, G-3  
A cute personal website.

## SMS APP

**ShoutOut**

Sam Ten Cate '12, Psychology  
ShoutOut allows friends, roommates, clubs, societies and groups to create SMS-based-email-lists. Think Gossip Girl.

## TOOL, VOICE APP

**Sing-to-Score**

Laura Dale '10, Physics

*Record a melody and convert it to a musical score.*

## TOOL, WEBSITE

**Slidetography**

Michael Cioffi '11, Engineering Sciences (SB)

*A Jalbum (app) skin that allows you to upload pictures and spits out webfiles that can be published/posted online as an interactive album.*

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**PROBLEM SET 7: C\$50 Finance**


**Design a database. Build a dynamic website.**

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## WEBSITE

**South Asian Men's Collective Website**

Ravi Mulani '12, Applied Mathematics

*A website for the South Asian Men's Collective with a new alumni database!*

## WEBSITE

**Species Counterpoint**

Anne Polyakov '12, Mathematics and Music

*A website that composes eight to sixteen measure musical phrases using the rules of species counterpoint.*

## ANDROID APP, TOOL

**SpeedDial**

Melody Hu '12, Neurobiology

*Implements a speed dial program for the Android Mobile OS.*

## TOOL, WEBSITE

**Spell-Rite**

Steve Tricanowicz '13

*A website for chekking ur badd speling.*

## WEBSITE

**Sports at Harvard**

Lauren Leon '12, Neurobiology

*Find out what sporting events are happening at Harvard!*

## WEBSITE

**Student Budget Tool**

Ronald Serko '12, Economics

*Use this budget/financial tool to keep track of your resources and chart your spending patterns.*

## WEBSITE

**Student Organization Administration Solutions**

Ifedapo Omiwole '12, Computer Science

*Manage and keep track of the day-to-day running of your student organization.*

## WEBSITE

**Studio Stern**

Sara Stern '12, Visual and Environmental Studies

*A portfolio website with an interactive art component.*

## WEBSITE

**Summer Experience Tracker**

Alexander Hristov '11, Physics

*Get information about summer opportunities from people who have been there before!*

## WEBSITE

**Surfing the Wave**

Juan Hernandez-Campos '12, Engineering Sciences (SB)

*A website to reconnect with high school classmates to plan events.*

## MASHUP, WEBSITE

**Symphony Orchestras of the USA**

Saki Takahashi '11, Applied Mathematics

*Search for orchestras near you!*

## ANDROID APP

**Tap-It**

Calvin McEachron '12, Computer Science

*Bop It for Android.*

## WEBSITE

**Texas Hold'em Odds Calculator**

Meng Cai '11, Applied Mathematics

*Calculate odds of making a certain type of hand in Texas Hold'em.*

## WEBSITE

**Texts from the Yard (TFTY)**

Joseph Gaspard '12, Government

*Harvard College's very own TextsFromLastNight: where those texts we all regret sending will be (anonymously) posted for the world to see.*

## WEBSITE

**TheCollegeProcess**

Malcolm-Wiley Floyd '12, Economics; Jay Shah '12, Economics

*TheCollegeProcess strives to guide high school students through the long, often stressful process of applying to and finding the college that is right them. To achieve this goal, we hope to provide students with a series of products that will not only educate them about the thousands of universities available to them, but also serve as a place for students to connect with their peers so that they might trade tips, network, and express themselves.*

## WEBSITE

**The CS50 Personal Brander**

Brian Shen '11, Visual and Environmental Studies

*The CS50 Personal Brander will take a few of your favorite things to visually communicate you.*

## WEBSITE

**The Digital Bartender**

Charles Tremblay '10, Chemistry and Physics

*Find your new favorite drink.*

## GAME

**The Game Is Afoot**

Chelsea Link '12, Human Evolutionary Biology

*A trivia game to test your knowledge of Shakespeare's plays.*

## WEBSITE, GAME

**The Game of (Real) Life**

Tom Yang '10, Social Studies

*A task manager that keeps track of your daily tasks and provides feedback and reminders.*

## WEBSITE

**The Harvard Music Database**

Nivedita Sarnath '12, Computer Science

*A searchable database of all of Harvard's music groups.*

## WEBSITE

**The Harvard Socialite**

Jane Ng '11, Applied Mathematics

*Helps Harvard students keep continuous*

*track of how campus parties are and other students' comments on them.*

**FACEBOOK APP**

**The Nest**

Michael Zhang '12, Economics; Jonathan Jain '12, Psychology  
*Your Facebook network--with you at the center.*

**WEBSITE**

**The Photo Wire**

Diana Marin '12, Romance Languages and Literatures  
*A website of the photo news of the day.*

**WINDOWS APP**

**The Research Assistant**

Ammanuel Gebeyehu '12, History; Xuezhi Dong '12, Molecular and Cellular Biology  
*A program that helps students find keywords in research papers.*

**WEBSITE**

**The Text Store**

Anna Patel '13  
*A website for finding or selling used textbooks.*

**GAME, WEBSITE**

**Tic Tac Toe**

Alexandra Libby '12, Neurobiology  
*Tic Tac Toe, as you know it, but on a website*

**FACEBOOK APP**

**Time's Up!**

Sloan Zimmerman '13  
*Time's Up! is an application that allows you to set an alarm that will send you a reminder notification and/or e-mail when the alarm time expires.*

**VISUALIZATION, WEBSITE**

**To-Do Tree**

Simone Zhang '12, Sociology  
*Visualize that to-do list!*

**MASHUP**

**Trading Strategy Analyst**

Ashley Turner '13  
*I am going to create a program that will analyze previous trades based upon a particular trading strategy in order to return the predicted future gains and losses for that strategy.*

**MASHUP, WEBSITE, IPHONE/IPOD APP**

**TravelBuddy**

Amanda Kersen '12, Applied Mathematics; Neil Howard '12, Mathematics; Matthew Patton '12, Chemistry

*An iPhone app and website that helps you in your travels by recording where you have been on a map and reminding you to take pictures.*

**VISUALIZATION**

**Trends in Science: an Interactive Visualization**

Koning Shen '10, Chemical and Physical Biology  
*An interactive timeline of major discoveries in biology, chemistry, and physics.*

**WEBSITE**

**Tuberculosis Tracker**

Michael Silvestri '10, Economics  
*A website for reporting and tracking the treatment outcomes of patients with multidrug-resistant tuberculosis.*

**SURFACE APP**

**Twitter on the Surface**

Michael Chen '13  
*For a day when surface computing platforms are in every home.*

**GAME, WEBSITE**

**TwixT!**

Richard Ho '10, Computer Science  
*An implementation of the board game TwixT.*

**WEBSITE**

**Umami Magazine 2.0**

Jean Shiao '13  
*Re-implementation of an originally-html-based website in Drupal so that website can be more easily updated and maintained.*

**WEBSITE**

**US Undergrad**

Aaron Deardon '11, Physics  
*A website to help British students to apply to study in the US.*

**WEBSITE**

**Veritas Experience**

Daniel Metzel '11, Chemical and Physical Biology  
*A website for a student organization, Veritas Experience, devoted to helping students arrange term-time internships.*

**GOOGLE WAVE GADGET**

**Wave Games**

Kyle Crichton '12, Engineering Sciences (SB)  
*Simple game gadget designed for interactive use by multiple people on Google Wave.*

**ANDROID APP**

**Waytracker**

Herman Gudjonson '12, Physics  
*Keep track of where you go and how you get there.*

**WEBSITE**

**Website for the Athena Program**

Keri Hartman '12, Social Studies  
*Learn about Harvard's only feminist mentoring program for high school girls.*

**WEBSITE**

**Weekend to the Winds**

Daniel Ray; Julie Zauzmer '13  
*You've got some time off and a small budget — where to?*

**WEBSITE**

**What's the \$spread?**

Alex Melas-Kyriazi '13; Kevin Pohler '13  
*Have fun betting on sports games and competing with your friends with fake money!*

**WEBSITE**

**WHRB News**

Natalie Panno '13, History and Literature  
*A website for the WHRB News department to showcase projects, news, and other content!*

**MASHUP, TOOL, WEBSITE**

**When is it open?**

Spencer Chan '12, Applied Mathematics  
*Lets you search local businesses and tells you what their hours of operation are.*

**WEBSITE**

**Who's on First, What's on Second, I Don't Know... The Score**

Adam Purvis '12, Applied Mathematics  
*A website that keeps you on top of baseball statistics, pitch by pitch.*

**MASHUP, TOOL, WEBSITE**

**WHRB Playlist Analysis Tool**

Carl Pillot '12, Music  
*A tool for finding out data about what songs have been played on WHRB.*

**MASHUP, WEBSITE**

**Winthrop Room Reservation**

Yizi Yang '12, Economics  
*Reserve Winthrop common spaces here!*

**WEBSITE**

**Wish List**

Kerry Yang '11, Economics  
*Shopping for those too busy to shop.*

## PROBLEM SET 8: Mashup



### Google Maps meets Google News. And Ajax.

MASHUP, WEBSITE

#### Women's Ultimate Website

Laura Freeman '12, Psychology

*Improving the Harvard women's ultimate frisbee webpage and adding several features, including a dynamic team contact list and practice schedule.*

WEBSITE

#### Won't Forget

Glyvolner Gabriel '12, Engineering Sciences

*You forgot your friend's address again? Well never again with this website which stores all of your contacts for you.*

MASHUP

#### World Travel Blog

Felicia Sun '13

*A blog to track my trips around the world.*

ANDROID APP

#### Wormhole

Theresa Silver

*An interactive music-generator.*

WEBSITE

#### WriteBite

Ahmed Belal '12, Neurobiology

*A fun website for posting and voting on rants and personal stories.*

WEBSITE

#### www.harvardcraigslist.com

John McVey '11, Economics

*A website for buying college items from other students.*

WEBSITE

#### www.indiaapply.com

Joseph Thumpasery '10, Applied Mathematics

*Admissions advice for Indians applying to graduate school in the US.*

GAME, XO LAPTOP MATH ACTIVITY

#### XO Laptop Math Activity

Ellen Farber '13

*A fun and engaging math activity for XO Laptops.*

WEBSITE

#### YouTube DJ

Elisa Orr '10, Psychology; Joseph Shivers '10, Chemical and Physical Biology

*An easier way to play with video playlists.*

FACEBOOK APP, TOOL, WEBSITE

#### Youze! Personalizing News

Shiv Gaglani '10, Engineering Sciences

*A web-based tool that sends you articles related to your friends and interests.*

# the staff

## Instructor

David J. Malan '99

## Head Teaching Fellow

Cansu Aydede '11

## Assistant Head Teaching Fellow

Yuhki Yamashita '11

Alex Chang '10, Alex Hugon '11, Alice Chung '11, Andrew Sellergren '08, Batool Ali '10, Charlotte Seid '10, Chris Thayer, Dan Gong '10, Dan Nevius '11, Daniel Carroll '09, David Joosten '11, David Kosslyn '11, David Ramos '08, David Robinson '10, Derek Lietz '09, Dev Purkayastha '04, Doug Lloyd '09, Drew Robb '10, Erica Lin '10, Filip Zembowicz '11, Glenn Holloway, Greg Brockman '12, Jannis Brea '10, Jason Kleban '11, Jean Huang '10, Jeff Feldman '11, Jesse Cohen '10, John Selig '09, Jon Noronha '11, Jonathan Yip '12, Jordan Comins '09, Josh Bolduc '11, Julia Sokol '10, Karim Atiyeh '11, Kelly Brock '11, Ken Parreno '11, Kent Rakip '11, Kyu Bok Lee '12, Lee Evangelakos '11, Madhura Narawane '12, Marta Bralic '12, Matthew Chartier '12, Michael Nock '11, Michelle Konstadt '10, Mike Teodorescu '11, Mike Tucker '03, Nathan Leiby '10, Patrick Quinn '10, Peter Lifland '10, Peyton Greenside '11, Rose Cao '11, Saba Zaidi '10, Sanjay Gandhi '10, Shannon Tsaltas '11, Stacey Solliday '11, Ted Rogers '10, Thomas Prufer '11, Wellie Chao '98, Yair Rosenberg '11

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## PowerAdvocate

<http://www.poweradvocate.com/>

## VMware

<http://www.vmware.com/>

# cs @ harvard

Come shop these classes this spring and beyond!

## SPRING 2010

### CS 1: Great Ideas in Computer Science

*Henry H. Leitner* (TuTh 10–11:30)

An introduction to the most important discoveries and intellectual paradigms in computer science, designed for students with little or no previous background.

### CS 51: Introduction to Computer Science II

*John G. Morrisett* (TuTh 1–2:30)

Abstraction and design in computation.

### CS 124: Data Structures and Algorithms

*Michael D. Mitzenmacher* (TuTh 11:30–1)

Design and analysis of efficient algorithms and data structures.

### CS 171: Visualization

*Hanspeter Pfister* (MW 1–2:30)

Introduction to key design principles and techniques for visualizing data.

### CS 179: Design of Usable Interactive Systems

*Krzysztof Z. Gajos* (MW 2:30–4)

Usability and design as keys to successful technology.

## FALL 2010

### CS 50: Introduction to Computer Science I

*David J. Malan* (MW 1–2:30)

Introduction to the intellectual enterprises of computer sciences and the art of programming.

### CS 61: Systems Programming & Machine Organization

*Matthew D. Welsh* (TuTh 2:30–4)

Fundamentals of computer systems programming, machine organization, and performance tuning.

### CS 121: Introduction to Formal Systems & Computation

*Harry R. Lewis* (TuTh 10–11:30)

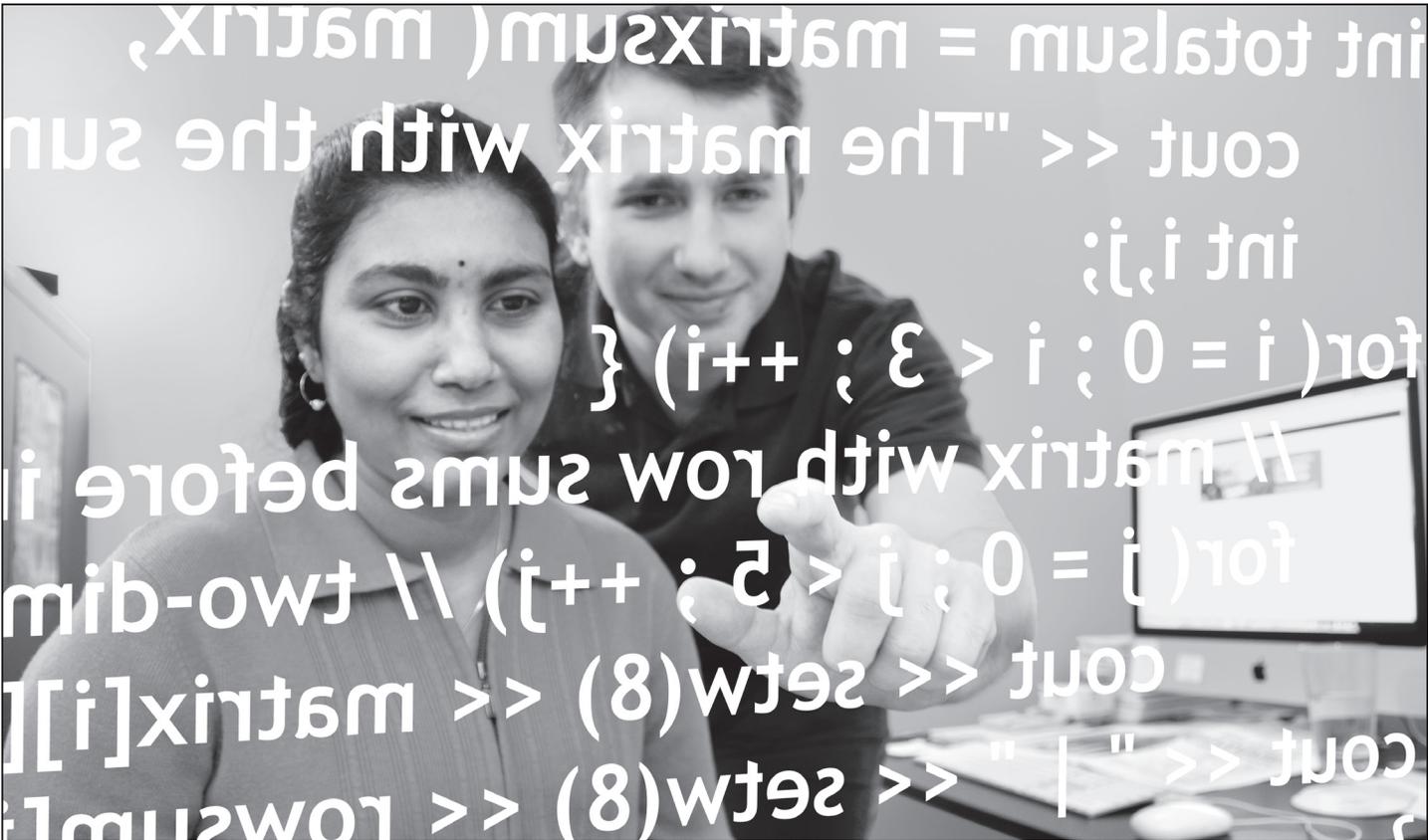
General introduction to formal systems and the theory of computation, teaching how to reason precisely about computation and prove mathematical theorems about its capabilities and limitations.

## SPRING 2011

### CS 105: Privacy and Technology

*Michael D. Smith and James H. Waldo* (TuTh 1–2:30)

What is privacy, and how is it affected by recent developments in computer technology?



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