

HELEN WENG

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EDUCATION

Expected May 2013 University of California, Berkeley. GPA 3.44
B.A. in Computer Science, B.A. in Economics

EXPERIENCE

Summer 2012 **Redfin** - *Software Engineer Intern on the Customer Engagement Team*

Developed an open house planning feature that, given a list of houses, returned an itinerary (scheduled by a greedy algorithm) and driving directions (using Google Directions API) in Java and Dojo/Javascript. Designed and implemented an interactive interface for the user to input the time and dates available for the open house planning feature using Dojo Javascript, HTML5, and CSS3. Built a system that used Amazon's Mechanical Turk to correct grammar and spelling on the site.

Jan 2012 **Professor Nate Titterton, Computer Science** - *Undergraduate Researcher*

- Present Developed an Eclipse plugin to make setting up a learning development environment easier.

Sept 2011 **Professor David Levine, Economics** - *Undergraduate Researcher*

Demo: vimeo.com/48523145

- Jan 2012 Conceptualized a learning computer game aimed at educating children about safe health practices. Implemented the game in Python using pygame.

Summer 2011 **SuccessFactors, Inc** - *UI Software Engineer Intern*

Collaborated with the Small-Medium Business module team to implement enhancements such as adding a new feature that aliased tasks shown on the dashboard through a JavaScript MVC framework. Enhanced usability of products by fixing styling issues and updating the common objects library.

Jan 2011 **Professor Yuriy Gorodnichenko, Economics** - *Undergraduate Researcher*

- June 2011 Wrote and ran Python scripts that scrapped webpages for prices on a batch set of products to see if price stickiness still existed despite the fact that online stores render menu prices obsolete and nonexistent.

Sept 2010 **International Area Studies Information Systems & Services** - *Website Assistant*

- Present Designed and developed mockups for departmental websites to be presented to clients.

PROJECTS

May 2012 **Vacation Scheduler for Nurses**

Demo: vimeo.com/44837891 | **Client Interview:** vimeo.com/46770083

Collaborated with a team of 4 to design & build a vacation scheduler for nurses at Oakland Children's Hospital. Built additional features like allowing bulk upload of nurses, emailing a specific nurse when it was her turn, and allowing the nurse administrators to print out the final calendar of all vacations. Met with clients biweekly (before every iteration) to decide which features to build next. Developed in Ruby on Rails while practicing test-driven development methodologies.

April 2011 **FuNutrition**

Demo: food.helened.net

Conceptualized and implemented a nutritional educational site geared toward elementary aged kids (PHP)

TECHNICAL QUALIFICATIONS

Coursework Software Engineering
Database Systems and Big Data
Analyzing Big Data with Twitter - In Progress
Operating Systems - In Progress

Data Structures and Algorithms
Artificial Intelligence
Efficient Algorithms & Intractable Problems
Economic Statistics and Econometrics

Languages Java, Python, Ruby, Javascript, Dojo, HTML/HAML, CSS/SASS, SQL