Mark Miyashita

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Education

University of California, Berkeley – 3.51 GPA - B.S. Electrical Engineering and Computer Science (EECS) – 2015

Experience

Software Engineer at Yelp (Intern: 5/13 – 8/13, Part Time: 8/13 – Present)

I built a flow analysis tool for visualizing user flows in the mobile apps. Allows for A/B testing and breakdown of data by dimensions. Gave a technical presentation to all of Yelp Engineering about my flow analysis tool.

Undergraduate Student Instructor for CS61A at UC Berkeley (1/13 – Present)

I am an Undergraduate Student Instructor for CS61A at UC Berkeley. I teach sections, hold office hours, prepare discussion notes, create labs, and lead review sessions. I gave a lecture to 200+ students on MapReduce.

Software Engineer at Kloudless (12/12 – 5/13)

Added automation for processing attachments similar to Gmail filters. Worked with Storm.

Software Engineer Intern at Inigral (Uversity) Inc. (7/12 – 12/12)

Improved database queries. Worked on front-end tweaks to fix user profiles.

CS10 Head Reader and CS61A Reader at UC Berkeley (5/12 – 12/12)

Graded homework and projects and also organized and led the other readers throughout the semester.

Residential Computing Consultant at UC Berkeley SA-IT (5/12 – 5/13)

Provided technical support to residents of University housing. Led workshops to teach students about using the web effectively.

Projects (see more at http://markmiyashita.com/projects or http://github.com/negativetwelve)

USOMC Competition Management System and iOS Judging app (http://usomc.herokuapp.com)

Ruby on Rails competition management system with user registration, purchasing events via Stripe, admin panel to manage competitions. iOS app uses JSON API to allow judges to post comments and results to the server.

Pandagrader (http://pandagrader.com)

Online software for grading exams. I implemented instructor annotations on exams using the Open Layer library.

iOS Pet Game (https://github.com/negativetwelve/ios-pet-game)

iOS app that I built which has a Rails backend API. Users train and battle pets while buying equipment from the online store.

Calaborate (http://calaborate.herokuapp.com)

Lead developer on a team to develop a tool for Cal students to create meet-ups and study sessions.

Global Snapshot (http://globalsnapshot.herokuapp.com)

Built a real-time Twitter and Flickr visualizer. Built with a Node.js backend that works with several APIs including Google Maps, Twitter Real-time and Flickr Real-time. Uses Socket.io for sending data to the browser for updates in real-time.

Appsearch.es (http://appsearch.es)

An iOS app search engine to find new and top apps. Data is gathered using a scraper and stored in a PostgresSQL database. Search is done by using PostgresSQL built-in full-text search.

Leadership

Blueprint Vice President of Technology (Spring '14)

I rewrote and redesigned the Blueprint website (calblueprint.org). I also maintain all of the previous projects that Blueprint has completed as well as lead the development of internal tools for members to use. (github.com/calblueprint)

HKN Computing Services Officer (Spring '14)

I led a massive rewrite of our website (hkn.eecs.berkeley.edu). Maintain servers and mailing lists.

Blueprint Project Leader (Fall '13)

I led a team of five developers to build the USOMC Competition Management System and iOS Judging app for the non-profit organization USOMC to manage their international, 1,300 participant competitions.

HKN Department Relations Officer (Fall '13), Bridge Officer (Spring '13)

I am the liaison between the EECS Administrative staff and HKN. I give department tours to prospective students.

Hackers@Berkeley Officer (Fall '12 – '13)

Help run the largest computer science club at Cal. Lead workshops, run hackathons, and develop and maintain the club website.

Skills

Proficient in - Ruby on Rails, Python, Java, Objective-C, HTML, Javascript, jQuery, Sass, CSS

Experience in - Node.js, C, Ajax, JSON, Coffeescript, Backbone, Scheme, Angular.js

Awards

GSI Ratings for Spring 2013 – I received a rating of 4.9/5.0 overall from the students of CS61A, Spring 2013. Details can be found at: https://hkn.eecs.berkeley.edu/coursesurveys/instructor/7419

H@B Hackjam – 3rd Place – Spring 2013 – Used a webcam to detect rubiks cubes, Performs an algorithm to solve the cube and display the steps to solve.

HKN Outstanding Candidate – Fall 2012 - I was selected as the outstanding candidate out of ~55 new initiates.

H@B Hackjam – Hilfinger Award from Box - Selected based on our submission Tim Todo, a web-based to-do list with Vim keyboard shortcuts.