Mark Miyashita

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Education

University of California, Berkeley – 3.53 GPA
B.S. Electrical Engineering and Computer Science (EECS) – 2015

Experience

Software Engineer Intern at Yelp (May '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 (Jan. '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. My TA Ratings can be found here: https://hkn.eecs.berkeley.edu/coursesurveys/instructor/7419

Software Engineer at Kloudless (Dec. '12 – May '13)
Added automation for processing attachments similar to Gmail filters. Worked with Storm.

Software Engineer Intern at Inigral (Uversity) Inc. (Jul. '12 – Dec. '12)
Improved database queries. Worked on front-end tweaks to fix user profiles.

CS10 Head Reader and CS61A Reader at UC Berkeley (May. '12 – Dec. '12)
Graded homework and projects and also organized and led the other readers throughout the semester.

Residential Computing Consultant at UC Berkeley SA-IT (May '12 – May '13)
Provided technical support and customer service on topics such as computer software, security and general hardware configurations. Led workshops to teach students about using the web effectively.

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

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.

iOS Game with JSON API
In the process of building an iOS game that has a Rails JSON backend and a web component too.

Pound Pong
Uses an RFID scanner hooked up to an Arduino, which is hooked into an iPad to allow Yelp employees to "check in" into the Ping Pong table using their Yelp Badges.

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

HKN (Eta Kappa Nu) Department Relations Officer (Fall 2013)
I am the liaison between the EECS Administrative staff and HKN. I attend meetings as well as give department tours to prospective students.

Blueprint Project Leader (Fall 2013)
I lead a team of four project members to build an application that will help a non-profit organization.

HKN (Eta Kappa Nu) Bridge Officer (Spring 2013)
Record and capture events through photography and videography. Lead candidates throughout semester.

Hackers@Berkeley Officer (Fall 2012 – Present)
Help run the largest computer science club at Cal. Organize and lead workshops, host and run hackathons, and develop and maintain the club website.

Skills

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

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

Awards

H@B Hackjam – 3rd Place – Spring 2013 - We built a website that uses the web camera to detect the colors of a rubiks cube, that the user holds up to the screen. After detecting the colors, it performs an algorithm that then displays the necessary steps to solve the cube.

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.

HKN (Eta Kappa Nu) Candidate – Fall 2012 - HKN accepts the top ¼ of junior standing EECS students at Cal.