Mark Miyashita

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Education

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

Experience (see more at http://markmiyashita.com/resume)

Software Engineer Intern at Yelp (May '13 – Present)
As an intern on the Mobile Team, I built a flow analysis tool that allows you to breakdown and visualize user flows from the app. It also enables a visual interface for A/B testing and breakdown of data by dimensions. Gave a technical presentation to all of Yelp Engineering about the architecture of my project and how to extend it. I also worked on improving performance for some of our back-end processing and added a few minor features to the iOS app.

Undergraduate Student Instructor for CS61A at UC Berkeley (Jan. '13 – Present)
I am an Undergraduate Student Instructor for the intro computer science course, CS61A at UC Berkeley. I teach sections, hold office hours, prepare discussion notes, create labs, and lead review sessions. In the summer of 2013, I gave a lecture to 200+ students on map reduce. My lecture notes can be found on the CS61A website and my TA ratings are located on the HKN website.

Software Engineer at Kloudless (Dec. '12 – May '13)
I worked on adding automation for attachments by adding a stream that listens for new emails and then processes a set of user-defined rules. The stream is an abstraction for Storm, a distributed real-time computation system.

Software Engineer Intern at Inigral Inc. (Jul. '12 – Dec. '12)
Worked mainly in the back-end to improve database queries as well as cleaning up and refactoring old code. Also implemented new features that directly affected the user base and worked through code reviews.

CS10 Head Reader at UC Berkeley (Aug. '12 – Dec. '12) and CS61A Reader (May '12 – Dec. '12)
Graded homework and projects, organized and led the other readers throughout the semester. Reviewed code and focused on style and composition.

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.

Website Developer/Editor at Mac Hints from BinaryAge (Feb. '12 – May '13)
Developed and maintained a section of binaryage.com. Over 360,000 views since I began developing in March 2012. Average of 1,500 views a day.

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

Calaborate (http://calaborate.herokuapp.com)
I worked as the lead developer on a small team to develop a tool for Cal students to create meet-ups and study sessions to review for midterms and finals.

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
I've been working on an iOS game that has a Rails JSON backend and will have a web component too. Promo video and web page coming soon.

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. Also records the winners of the match and forms a leaderboard based upon historical wins and loses. I worked on the iPad component interfacing with the RFID scanner.

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 Postgres database. Search is done by using Postgres built-in full-text search.

Leadership and Awards

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.

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.

Skills

Proficient in – Python, Ruby on Rails, Javascript, Objective-C, HTML5, CSS

Experience in – Java, Angular.js, C, iOS Development, Node.js, Ajax, JSON, jQuery, Coffeescript, Scheme, SASS