Patrick O'Halloran

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Education

University of California, Berkeley (Senior, graduating May 2017)
Bachelor's, Computer Science
Cumulative GPA – 3.67
Relevant Coursework

-Operating Systems (In Progress)
-Data Structures
-Algorithms and Intractable Problems
-User Interface Design (Android Dev)
-Structure & Interpretation of Computer Programs
-Machine Structures
-Intro to Web Design
-Discrete Math and Probability Theory
-Intro to Artificial Intelligence
-Designing Information Devices and Systems (In Progress)

Work Experience

Veeva Systems
Software Engineering Intern (May 2016 – August 2016)

- In a team of 2, built an Android application that integrates the Zoom SDK to allow for video conferencing between customers. This application is an official Veeva product that is scheduled to ship fall 2016.
- Individually created an iPad application used by QA to test compatibility of customer content (HTML, pdf) using Apple's UIWebview and WKWebview.
- Fixed various UI bugs within Veeva's CRM (Customer Relationship Management) iPad application.

EECS UC Berkeley
Software Developer for Beauty & Joy of Computing edX Course (May 2015 – May 2016)

- Worked under Professor Dan Garcia in the EECS department at UC Berkeley in a team of 5 to build autograding tools (using JS) for a visual drag-and-drop programming language, Snap. This has allowed the course to scale to 12,000+ students through the online learning platform edX.
- This autograder is unique in that it analyzes code in addition to performing input/output tests.

Projects

- **Rayse** (January 2016 - May 2016)
  Class project. In a group of 4, built an Android smart watch application that tracks how much sunlight a user is exposed to in order to help guide those with Seasonal Affective Disorder. I was responsible for implementing the light sensing capability, the calendar feature that read from the user's Google calendar, and various UI features.
- **Tic-Tac-Toe with Minimax** (May 2015)
  Individually built a JS implementation of Tic-Tac-Toe that uses MiniMax Algorithm.
- **Innovative Design Portfolio Website** (April 2015)
  Individually built a mobile-adaptive AngularJS site hosted on Heroku; built with a focus on user experience.

Skills

Comfortable with: Java, Android, Python, HTML, CSS, Unix (Mac OS X)
Used: JavaScript, Objective-C, iOS, C
Can learn: *Anything!*

Interests

Playing and watching basketball, following the NBA and the player stats, skateboarding, finding great views of the bay