Ryan Liao

· ianryanliao@gmail.com · (858) 267-8838 ·
https://github.com/irliao

Experience

Intuit
Software Engineer I   August 2015 - Present

- A
- B
- C

Aira.io
Software Developer   October 2014 - May 2015

- A
- B
- C

Cubic Transportation Systems Inc.
Software Engineering Intern   June 2014 - August 2015

- Developed Android applications that detect Gimbal Proximity Beacons to identify user presences in a transit
- Implemented a Node.js local server with MongoDB to handle HTTP requests from three different projects
- Created an Android application that utilizes QR code scanning for users to ride transit systems with a virtual token, replacing the traditional physical ticketing system. Showcased by Cubic at the APTA Expo 2014

Gildshire, Inc.
Jr. Web Developer   April 2014 - June 2014

- Provided frontend and backend development for the beta release of www.gildshire.com
- Enhanced user experience by integrating AJAX to selectively reload only specific parts of the web page
- Reconstructed the database and backend queries in Python to improve server response time

UCSD CSE Tutoring Department
CSE Tutor   April 2013 - April 2014

- CSE 100: Helped students implement BST, RST, Huffman Coding, and other data structures in C++
- CSE 110: Assisted students in implementing various Android assignments utilizing Google APIs in Java

Northrop Grumman Corp.
Software Engineering Intern   June 2013 - September 2011

- Implemented target tracking algorithms to process image inputs from actual satellites in C++
- Developed various signal/image processing algorithms utilizing 2D vectors and bitmaps
- Created a desktop application with Java for users to graphically organize complex and nested XML files

Education

University of California, San Diego
B.S. Computer Science   Fall 2010 - July 2015

Skills

Programming Languages: Java, JavaScript, XML, Bash/Zsh, Lua, Objective C, C++
Technologies: Git, Perforce, IntelliJ, Eclipse, xCode

Projects

Mizzo   June 2014 - May 2015

- An iOS application allowing users to network with surrounding people anonymously and securely
- Developed the client side application in native Objective-C with xCode 6

- Implementing real time messaging functionality with PubNub data stream services

GreenRoads December 2013

- Awarded 1st place during the Los Angeles CleanWeb Hackathon at the University of Southern California
- Worked in a team of four engineers to create an eco-friendly themed web application within 48 hours
- Designed algorithms to efficiently match riders to drivers utilizing GPS coordinate comparisons