

Education

San Diego, CA

University of California, San Diego

Fall 2012 - Spring 2016

- Bachelor of Science in Computer Science, Expected Graduation Date: **Spring 2016**, GPA: **3.61/4.0**

Employment

iOS Developer

Calit2 - UCSD

February 2015 - present

- Designed, architected, implemented, and submitted an iOS mobile app that aids CHP officers in determining if a driver has a driving impairment
 - <https://itunes.apple.com/us/app/treds/id1066131472?mt=8>
- Design, implement, and submitted an iOS app using Swift that acts as mobile probes in estimating border crossing wait times.
 - <http://www.cse.ucsd.edu/node/2941>
 - <https://itunes.apple.com/us/app/best-time-to-cross-the-border/id570288644?mt=8>
- Design and implement an iOS app using Swift for MotherToBaby company to provide pregnancy information.
 - <https://itunes.apple.com/us/app/mothertobaby/id1116292287?mt=8>

Software Engineer Intern

Science Applications International Corporation, La Jolla, CA

July 2015 - September 2015

- Managed, designed, architected, and implemented an internal Ruby on Rails web application which is deployed on AWS that allows a manager to organize their employees on certain tasks in a team of four with an Agile development process.
 - <http://manager.kgudevs.com/>

iOS Developer (Contractor)

Cambridge Silicon Radio (CSR.com)

January 2015 – August 2015

- Develop mHealth related applications for iOS using the CSR health API's to test and evaluate context algorithms that estimate physical activity.

Software Engineer Intern

Cubic Transportation System Inc, La Jolla, CA

June 2014 - September 2014

- Designed and implemented an iOS mobile app that enhances the speed of public ticketing system using iBeacons to accurately discover users' current locations and pre-process their information
- Designed and implemented a fingerprint recognition application with Visual Studio and an iOS app feature that allows users to enter public transportation gates by scanning their fingerprints or phones in place of their public transportation cards
- The two links demonstrate the applications above
 - <https://www.dropbox.com/s/5vnf1owtntmgwzs/IOSB-Movie.mp4?dl=0>
 - https://www.dropbox.com/s/che0mxfxv9qg1dz/BLE_Pass.mp4?dl=0

Computer Science Tutor

UCSD Computer Science Program, La, Jolla, CA

January 2014 - February 2015

- Tutored students in CSE 110, Software Engineer class
- Advised students in software technologies used for their applications

Course Work and Projects

- Designed and implemented a hybrid mobile app that communicates with an Amazon backend web service that allows students view events that are the closest and soonest events.
- Managed and architected a Wedding Website of team of 3, <https://annie-emerson.herokuapp.com/>
- Other computer science related classes taken include *Advanced Data Structure*, Software Engineering, Design & Analysis of Algorithm, Computer Operating System, Intro Computer Architecture, Server-side Web Applications, Computer Networks Data Mining and Perdic Analytics, Compilers, Security, Database System Principles, and Advanced Software Engineering(Winter).

Technical Skills

- Languages:** Swift, Java, Java Script, C, C++, Python, C#, Objective C
- Web Technologies:** Amazon Web Service, Node Js, Ruby on Rails, Heroku, HTML, CSS, JQuery, Angular
- Development Tools:** Xcode, Eclipse, Visual Studio, Ruby Mine, Webstorm
- Database Tools:** Sqlite3, Postgres, MySQL, Mongo DB