

EMPLOYMENT

Software Assistant **FidelitySchools.com** **Spring 2017 - Present**

- Implemented high-level email randomization to increase marketing mail reception rate from 21% to 94%.
- Implemented rudimentary data analysis to detect desirable marketing email patterns.

Mobile Development, Intern **Siemens Energy Sector** **Spring 2017 - Present**

- Started and current lead of initiative to use Kotlin for Android development.
- Front-end developer for an iOS issue-reporting application for technicians.
- Implemented and presented an SSL-Pinning proof-of-concept.
- Created an internal iOS barcode / QR scanner with external Bluetooth scanning support.

College Student Technician **Lockheed Martin** **Summer 2016**

- Located and fixed over 20 vulnerabilities in my assignment.
- Updated automatic unit testing scripts and reference documents with every change made.
- Participated in regular code reviews and stress tests.
- Held interim security clearance.

Assistant Programmer **Analyticalink** **Fall 2015 – Winter 2015**

- Helped implement user-navigation between problem sets.
- Created a modern user-interface mockup.

EDUCATION

Orlando, FL **University of Central Florida** **Fall 2015 – Present**

- B.S. in Computer Science Engineering, Fall 2019. Overall GPA 3.7; In-major GPA 3.8
- Burnett Honors College student; Accelerated B.S. to M.S. Student; EXCEL Student
- Undergraduate Coursework: Discrete Structures, Programming Languages, Computer Architecture, Operating Systems, Computer Science II, Calculus III, Physics III

TECHNICAL EXPERIENCE

Projects

- [eyeBot](#) (2017). An iOS image-recognition application featuring an intuitive interface that allows the user to identify an object. Label training is updated in real-time with every scan that allows for grassroots label training. Created for the Siemens 2017 Innovation Days hackathon. Swift; Salesforce Einstein
- [Spot my New Song](#) (2017). A CLI program for finding new songs based on a playlist. Results are biased toward artists, albums, and songs the user knows. After retrieval, user can import suggestions into a playlist. Python
- [Lifting Buddy](#) (2017). An ongoing iOS project featuring a clean, responsive, and intuitive interface to record gym progress using Realm as a database. Swift

Other Accomplishments

- [Codeforces Solutions](#) (2017). Completed 500 programs (top 1% of all users) to learn Python and data structures. Python; some Java
- [Machine Learning Course](#) (2017). Completed Andrew Ng's Machine Learning course hosted on Coursera to learn a topic I'm interested in. GNU Octave
- **FIRST Robotics Team Captain, Lead Programmer** (2014 – 2015). Created autonomous and teleoperated programs for 3 robots. Mentored students in Java to help transition after I graduated.

Languages and Technologies

- Python; C#; C++; C; Java; Kotlin; Objective-C; Swift; SQL; JavaScript; HTML; CSS; Haskell; R; GNU Octave
- Git; Mac; Windows; Visual Studio; Eclipse; XCode; Android Studio; IntelliJ; Cordova; Unity; AccuRev; Pods