
EMPLOYMENT

Software Assistant	FidelitySchools.com	Spring 2017 - Present
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Started and current lead of initiative to use Kotlin for Android DevelopmentFront-end developer for an iOS issue-reporting application for techniciansImplemented 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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Helped implement user-navigation between problem sets.Created a modern user-interface mockup.		

EDUCATION

Orlando, FL	University of Central Florida	Fall 2015 – Present
<ul style="list-style-type: none">B.S. in Computer Science Engineering, Fall 2019. Overall GPA 3.7; In-major GPA 3.8Burnett Honors College student; Accelerated B.S. to M.S. Student; EXCEL StudentUndergraduate 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