Austin Leal

678 467 6938
AustinLeal.com
aleal6@gatech.edu
3975 Canterbury Walk Dr.
Duluth, GA 30097

EDUCATION:

Georgia Institute of Technology, Atlanta, GA — Jun. 2014 – May 2018 (Expected)

- Candidate for B.S. Computer Science, Systems & Architecture and Theory – Overall GPA: 3.96/4.0
- CS Courses: Processor Design with FPGAs, Design and Analysis of Algorithms (Proof-based), Intro to Software Engineering, Systems and Networks, Objects and Design, Computer Organization and Programming (Assembly, C)
- Math Courses: 2nd Course on Linear Algebra (Proof-based), Applied Combinatorics

EXPERIENCE:

Georgia Tech College of Computing, Atlanta, GA

Alternative Computing Technologies Lab Undergraduate Research Assistant — May. 2016 – Present

- Modified the Bluez Bluetooth library in C on Linux to communicate with an Arduino-based robot as part of an ongoing team research project

High Performance Architecture Lab Undergraduate Research Assistant — May. 2016 – Aug. 2016

- Updated old version of Android usage logging app to work on latest versions of Android OS
- Added save logs and anonymize apps features to enhance app functionality

Cisco Systems, Inc., Lawrenceville, GA

Programming Intern — Aug. 2013 – Apr. 2014

- Worked under software engineer and collaborated with another intern to create a program to upload, process, and display videos with a system that was written in HTML, CSS, JavaScript (jQuery), and SQL (MySQL) using Vim on Linux (Red Hat) remotely

Hardware Design Evaluation Intern — Jan. 2013 – Apr. 2013

- Conducted testing and evaluated qualitative results for experts in the electrical engineering field

PROJECTS:

Antidote, HackGT — Sept. 2016

- Developed a web app to display drug related tweets on a heat map using Twitter API, SKLearn machine learning, and Google Heat Maps API to get the tweets, narrow them by user's intent, and display the results

GTMovies, Objects and Design Class — Jan. 2016 – Apr. 2016

- Developed an Android app to recommend movies to registered users based on user's major
- Developed in a team of five as semester-long project using Agile practices (Scrum)

Learning Paths, HackDuke — Nov. 2015

- Developed an Android app to act as a guide for learning a subject by allowing users to post and view courses consisting of content modules containing links and proprietary content
- Developed in team of five members from diverse engineering disciplines

Compressed Radix Tree, Data Structures and Algorithms Class — Jul. 2015

- Implemented a compressed radix tree from ground up for final project in data structures class

SKILLS:

Programming Languages:
Proficient: Java, C/C++
Knowledgeable: MATLAB, HTML/CSS, Python
Familiar: PHP, LaTeX

Software: Autodesk AutoCAD, Autodesk Inventor, Adobe Photoshop

Foreign Language: Advanced Level Spanish

ACTIVITIES:

HackGT: Build Antidote, a web app to map drug-related tweets to predict overdose locations — Sept. 2016
HackDuke: Built Learning Paths, an Android app to post self-learning guides — Nov. 2015
GT Appathon: Built LettuceEat, a web app to encourage making healthy meal choices — Oct. 2015

AFFILIATIONS:

Mobile Application Development Club, Design Club, Web Development Club