Austin Leal

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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 (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 Researcher — 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:

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

- Built an Android app to act 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

- Built 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
Familiar: Python, PHP, LaTeX

Software: Autodesk AutoCAD, Autodesk Inventor, Adobe Photoshop

Foreign Language: Advanced Level Spanish

ACTIVITIES:

HackGT, — Sept. 2016 (Future)
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