

Austin Leal

678 467 6938

AustinLeal.com
aleal6@gatech.edu

3975 Canterbury Walk Dr.
Duluth, GA 30097

EDUCATION:

Georgia Institute of Technology, Atlanta, GA

- M.S. Computer Science – Computing Systems Jan. 2018 – Dec. 2018 (Expected)
- B.S. Computer Science – Theory and Systems & Architecture Jun. 2014 – Dec. 2017
 - Cumulative GPA: 3.91/4.0
- CS Courses: Advanced Operating Systems, Advanced Algorithms, Compilers and Interpreters, Automata and Complexity, Processor Design with FPGAs, Intro to Software Engineering
- Math Courses: Combinatorial Analysis, Second Course on Linear Algebra (Proof-based)

EXPERIENCE:

Amazon.com, Inc., New York, NY

- Software Development Engineer Intern* May 2017 – July 2017
- Developed a visualization tool for inspecting aggregated data from multiple storage locations
 - Created new service-oriented architecture (SOA) application API endpoints to support this visualization tool

Georgia Tech College of Computing, Atlanta, GA

- Undergraduate Research Assistant - Alternative Computing Technologies Lab* May 2016 – Present
- Created an object-oriented language compiler with two other researchers as part of an ongoing project
 - Modified a Bluetooth C library for Linux to communicate with an Arduino robot for an ongoing team project
- Undergraduate Research Assistant - High Performance Architecture Lab* May 2016 – Aug. 2016
- Updated an outdated Android usage logging app to work on the latest versions of Android OS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
- 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)
- 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

SKILLS:

Programming Languages:

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

Software: Autodesk AutoCAD, Autodesk Inventor,
Adobe Photoshop

Foreign Language: Advanced Level Spanish

ACTIVITIES:

- HackGT:** Built 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