

Austin Leal

678 467 6938

AustinLeal.com
aleal6@gatech.edu

3975 Canterbury Walk Dr.
Duluth, GA 30097

OBJECTIVE: To obtain a full-time software engineering position starting Summer/Fall 2019

EDUCATION:

Georgia Institute of Technology, Atlanta, GA

- M.S. Computer Science – Machine Learning Aug. 2018 – May 2019 (Expected)
- B.S. Computer Science – Theory and Systems & Architecture, GPA: 3.86/4.0 Jun. 2014 – May 2018

EXPERIENCE:

Addepar, Inc., New York, NY

Software Development Engineer Intern May 2018 – Aug. 2018

- Created endpoints to dynamically identify where attributes are used within an instance of Addepar
- Created frontend component to select, retrieve, and download usages

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) API endpoints to support this visualization tool

Alternative Computing Technologies Lab at Georgia Tech, Atlanta, GA

Undergraduate Research Assistant May 2016 – May 2018

- Extended the compiler for deep learning framework DNNWeaver, an open-sourced FPGA-based hardware accelerator for deep neural networks (DNN), to accept additional DNN Caffe specifications
- Created an object-oriented language compiler with two other researchers
- Modified a Bluetooth C library for Linux to communicate with an Arduino robot

High-Performance Architecture Lab at Georgia Tech, Atlanta, GA

Undergraduate Research Assistant 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- Updated an outdated Android usage logging app to work on the latest versions of Android OS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 web project to upload, process, and display videos with a system written in HTML, CSS, JavaScript (jQuery), and SQL

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 in a team of five

SKILLS:

Programming Languages:

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

Libraries: D3, Matplotlib, NumPy, OpenCV

Software: Autodesk AutoCAD, Autodesk Inventor

Foreign Language: Advanced Level Spanish

ACTIVITIES:

GT Hyperloop: *Electronics Team Lead*; lead four sub-teams composed of 2-3 people each Aug. 2018 – Present

HackGT: Built Antidote, a web app to map drug-related tweets to predict overdose locations Sept. 2016

RELEVANT COURSEWORK:

- ML Courses: ML, ML for Trading, Knowledge-based AI, Computer Vision, Data and Visual Analytics
- CS Courses: High-Performance Computing, Compiler Design, Adv. Operating Systems, Adv. Algorithms, Automata and Complexity, Processor Design with FPGAs