

Noah Blume

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Objective

Acquire a software development or cybersecurity internship for the 2019 spring or summer semester.

Education

Georgia Institute of Technology, Atlanta, GA

August 2016 – Present

- Degree Pursued: Bachelor of Science in Computer Science
- GPA: 4.0

Expected Graduation: May 2020

Skills

- **Languages:** Python, Java, C#, JavaScript, jQuery, HTML, CSS, C
- **Other Skills:** Android Studio, Spring Framework, MySQL, DB2, REST, JUnit, Bootstrap

Work Experience

Central Technology Services, Jefferson City, MO

May 2017 – August 2017

Software Development Intern

- Created a web application backed by a SQL database to store and manage properties that are used by the bank's mobile apps, allowing the apps to make API requests to retrieve the correct properties for the phones
- Updated the Android app to use Google Maps API v2, and refactored the app to reduce duplicate code and use Android's "Product Flavors" instead of separate projects for different app versions

TA for CS 2050 (Discrete Math), Atlanta, GA

January 2018 – Present

- Lead recitation with Co-TAs to teach and reinforce concepts learned in class
- Hold office hours to help any students who have questions or are struggling to understand course material
- Grade homework and exams to provide feedback for students

Technology Services Organization Help Desk at Georgia Tech, Atlanta, GA

August 2016 – December 2017

Technical Assistant

- Assisted customers with the operation of computer systems
- Provided assistance with email clients, security applications, and installing hardware and software

Personal Projects

GT Safe Walk Map

- Created a web application that shows a heat map of crimes on campus using GTPD's crime logs. It will also attempt to find the safest route from one point on campus to another. October 2017

Python Scripts

- Made a Twitter bot that finds album reviews and uses Markov chains to generate a brief review to put in a tweet. It also uses sentiment analysis on the original review to generate a review score based on its positivity. September 2017
- Wrote a script to email me every time Pitchfork gives an album the title of "Best New Music" April 2017
- Developed a script that will notify me once every 10 minutes if my VPN is off April 2017
- Created a script that logs into and scrapes websites that show the paper levels of printers where I worked, then updates a Google spreadsheet with how much paper each printer needs October 2016

Unity3D Games (Co-developed)

- Developed *Blocks and Balls* and *Blocks and Balls: Unblocked* (iOS and Android) July 2015 – April 2016
- Created a procedurally generated 2D platformer (in a 48 hour development session) November 2015

Clubs & Activities

CTF Club

August 2016 – Present

- Gained experience with reverse engineering as well as various tools and exploits used for hacking

Grey H@t Club

August 2016 – Present

- Learned about different information security topics, often focusing on recent real-world hacks