

Education

Georgia Institute of Technology

Bachelor of Science in Computer Engineering 2019

GPA: 3.80/4.00

Experience

Georgia Institute of Technology Cyber Security*Analyst*Jan. 2018 - Current
Atlanta, GA

- Analyzed security alerts, malware, and phishing, to determine their threat levels on a network of over 50,000 users
- Used tools such as Splunk, FireEye, and Wireshark to determine how a threat should be resolved
- Communicated with network admins and campus members to resolve security incidents within 48 hours

Verizon Connect*Software Engineering Intern*June 2018 - Aug. 2018
Atlanta, GA

- Developed an automated categorization tool used by product managers in three departments increasing categorization speed by ~90%
- Implemented proof of concept navigation features for the Hum Android application
- Created abstracted Java Spring microservices for user management functions

Georgia Institute of Technology School of Physics*IT Team Member*Feb. 2017 - Dec. 2017
Atlanta, GA

- Worked on a team of three to administer all Windows, Linux, and macOS systems on the School of Physics network
- Built custom desktops for researchers, set up lab networks, and maintained network security
- Provided support to hundreds of faculty members for any software, hardware, and networking issues

Lenovo*ThinkPad Product Engineering Intern*May 2017 - Aug. 2017
Morrisville, NC

- Diagnosed, replicated, and analyzed hardware/software defects on Thinkpad laptops and desktops
- Developed automated testing and lab monitoring systems using to reduce turnaround time of defect resolutions
- Worked on a tool for First Article Inspections to aggregating data from hundreds of manufacturing departments

Projects

Gif.Me

Sept. 2017 - Sept. 2017

Created for HackMIT, this Google Chrome extension uses RSA encryption and pixel manipulation to encode encrypted messages into Gifs, which can only be decrypted by the recipient. Created using HTML/CSS/JS, Node, C++, and AWS.

- Created the interface and extension to communicate with the server and integrate into Facebook messenger
- Implemented client-side RSA encryption with a contact list to collect friends' public keys

Hotroom Monitor

June 2017 - Aug. 2017

A monitoring system for an offline network used to log and livestream temperature and IP addresses in a hot room filled with desktops running benchmarks. Created using an Arduino, C/C++, HTML/CSS/JS, and Powershell scripts, packaged with Electron.

- Configured a webserver running on the Arduino along with a desktop GUI to fetch and present data remotely
- Added hundreds of additional stress testing hours per month by identifying failed devices instantly

The Play Odds

May 2017 - Jan. 2018

A Monte Carlo simulation tool for ESPN fantasy football leagues which provides probabilities of each team making the playoffs. Back-end created with Python/Flask, Front-end with HTML/CSS/JS and deployed with Heroku.

- Created the backend logic for the website as well as the front-end design and structure.
- Web interface deployed at www.theplayodds.com

Activities

Georgia Institute of Technology Mastering Android Development (GITMAD)*Officer*

Jan. 2017 - Current

- Gave presentations and tutorials on Android development concepts and creating applications in Android Studio
- Managed club website and created visuals including club logo and flyers

Society of Hispanic Professional Engineers (SHPE)*Member*

Aug. 2016 - Current

- Participated in networking events and corporate talks by Hispanic professionals and sponsors

Skills

Programming Languages: C/C++, Python, JavaScript (Node.js), Java, MATLAB, VHDL, HTML/CSS**Technologies:** Arduino, mbed, Linux, Git, Android, Heroku, Flask, Splunk, FireEye, AWS**Languages:** Spanish, French