# EJNAR ARECHAVALA

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## 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, including network attacks, malware, and phishing, to determine their threat levels
- 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

**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 faculty 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 for stress testing and defect detection of systems and batteries
- Worked on a tool for standardizing First Article Inspections across manufacturing departments and aggregating data

## Projects

**Gif.Me**
Sep 2017 - Sep 2017
- Chrome extension to securely send encrypted messages encoded into Gifs through Facebook Messenger
- Client-side RSA encryption and server-side image processing (steganography) and hosting
- Created for HackMIT using HTML/CSS/JS, Node, C++, and server hosted on AWS

**Hotroom Monitor**
Jun 2017 - Aug 2017
- Desktop GUI application displays live temperature, power, and network data of a hotroom filled with computers being stress-tested
- Network connected Arduino logs and serves temperature data and includes a killswitch for emergencies
- Created using an Arduino, C++, HTML/CSS/JS, and Powershell scripts, packaged with Electron

**The Play Odds**
May 2017 - Jan 2018
- A simulation tool, based on the Monte Carlo method, that predicts the playoff seed standings for ESPN Fantasy Football leagues
- Web interface deployed at www.theplayodds.com using Heroku and created using Python, Flask, and HTML/CSS/JS

## Activities

**Georgia Institute of Technology Mastering Android Development (GITMAD)**
*Officer*
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*
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
**Languages:** Spanish, French