

Andrew Chang

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Objective

Develop a career in data security analysis, security enhancement, and software development

Experience

[Georgia Institute of Technology](#), Cybersecurity Analyst; Atlanta, Georgia Summer 2018

- Analyzing security alerts raised by campus endpoint monitoring systems by crafting searches in Splunk, FireEye HX, and other in-house homebrew solutions
- Confirming conclusions through packet analysis using FireEye PX and Wireshark
- Coordinating departmental IT offices to address risk if necessary
- Writing procedural documentation for new analysts

[Jia-Jia-at West Market Hotel](#), Website Management Intern; Tainan, Taiwan Summer 2017

- Improved hotel website site speed, user activity, and Google Index ranking
- Acted as webmaster for the hotel's website, boosting its site speed by 30%, weekly users by 15%, Google Index from 6th to 1st, and decreased the site bounce rate by 13% using Google Analytics to track and analyze visitors
- Translated from Traditional Chinese to English and vice versa

[ABB Inc](#), Software Development Intern; Shanghai, China Summer 2015

- Developed industrial robot calibration software tool for iOS devices in Swift 1.0
- Relays information about the orientation of the iOS device on a surface to the robot through a TCP/IP socket so the robot can be calibrated with higher accuracy while also saving time during factory setup

Education

[Georgia Institute of Technology](#), Atlanta, Georgia; B.S. in Computer Science 2016 - 2020

- Concentration in Systems and Architecture and Information Internetworks
- Minor in International Affairs
- GPA: 3.84/4.00
- Courses: Data Structures and Algorithms; Computer Organisation and Programming; Systems and Networks; Design and Analysis of Algorithms; Applied Combinatorics; Introduction to Information Security; Introduction to Software Engineering

Projects and Activities

[Robojackets](#), Robot Sumo Team Software Lead 2016 - present

- Code in C for current robot to run autonomously on a Particle Photon micro controller
- Looking to develop proof-of-concept for a machine vision system for future robot iterations

[Time Machine Space Dinosaur Science Experiment](#), Team Member 2018 - present

- Visualizes influences between science fiction authors and scientists
- Data collection using web scraping and name entity recognition

[Malware Analysis](#) Summer 2018

- Used cuckoo to identify behaviour of malware for class project
- Analyzed registry key activity, processes ran, etc.

Skills

Software Java, Python, C, Swift, HTML/CSS/Javascript, Assembly, Splunk, Android

Languages English, Mandarin, Japanese

Certifications Splunk Certified User