

Andrew Chang

CYBERSECURITY PROFESSIONAL

CONTACT DETAILS:

Phone: +1 919-780-3457
Email: chang.andrew.23@gmail.com
GitHub: timeforchang
Website: andrew-chang.me
1436 Carpenter Town Ln., Cary, NC, 27519

PROJECTS & ACTIVITIES

GRADUATE RESEARCHER

Inst. of Info. Sec. and Privacy. Fall 2019

Creating a motivating example for research on a browser-based auditing approach for wateringhole-based attacks that can overcome limitations related to recording necessary semantic information instead of just viewing system calls

ROBOT SUMO TEAM SOFTWARE LEAD

Robojackets 2016 - present

- Led team to first-ever All Japan Robot Sumo Tournament finals
- Code in C for current robot to run autonomously on a Teensy micro controller
- Established new software member training program for the Battlebots sub-team

TEAM MEMBER

Capstone Project 2018

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

SKILLS

- Software
 - Java
 - Python
 - C
 - Swift
 - HTML/CSS/Javascript
 - Assembly
 - Splunk
 - Android
- Languages
 - English
 - Mandarin
 - Japanese
- Certifications
 - Splunk Certified User
 - PentesterLab Yellow Badge

CAREER HISTORY

INFORMATION SECURITY ENGINEER

Cisco Systems, Inc., Chicago

May 2019 - present

- Working with Microsoft's Azure team as a vendor to write vulnerability confirmation scripts to run against Azure servers and switches
- Shadowed full-time employees on internal network penetration testing engagements
- Completed reports on mock web application and binary exploitation penetration tests

CYBERSECURITY ANALYST

Georgia Inst. Of Technology, Atlanta

May 2018 - May 2019

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

WEBSITE DEVELOPMENT INTERN

Jia-Jia-at West Market Hotel, Taiwan

Summer 2017

- Improved hotel website site speed, user activity, and Google Index ranking
- Boosted hotel's website 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
- Translated website from Traditional Chinese to English and vice versa

ACADEMIC HISTORY

GEORGIA INSTITUTE OF TECHNOLOGY

Master of Science in Computer Science

2019 - present

- Specialization in Computing Systems

Bachelor of Science in Computer Science

2016 - 2019

- Specialization in Computing Systems and Architecture / Information Internetworks
- Certificate in International Affairs
- GPA: 3.90 / 4.00; Graduated with Highest Honours
- Relevant Courses: Systems and Networks; Design and Analysis of Algorithms; Applied Combinatorics; Introduction to Information Security; Design of Operating Systems; Computer Networking; Processor Design; High Performance Computer Architecture