





MAXWELL MORGAN

Network Security & Software Engineering

 mjmor@umich.edu

 (586) 610 - 7410

 www.maxwelljmorgan.net

 <https://github.com/mjmor>

EXPERIENCE

FICO

Software Engineering Intern - May 2016 – Present

- Designed and implemented a distributed messaging system using RabbitMQ allowing system applications to communicate and reducing latency by up to 24 hours
- Developed and maintained a distributed system dedicated to active network probing providing approximately 45,000 data points each week
- Designed and constructed active network probes to discover Web servers exposed to HTTPS-related vulnerabilities adding 3 active probes to FICO's current set
- Offer to return

MERIT NETWORK, INC.

Research Assistant - Sept. 2014 – April 2016

- Programmed a machine learning algorithm in Python to predict electricity consumption in smart-homes
- System administrator of 5 Red Hat and Debian based Linux systems providing up-to-date and reliable Linux environments for all 5 team members
- Database administrator for MySQL and graphite databases
- Offer to return

GREYHOUND TECH

Desktop Technician Intern - June 2013 – Aug. 2014

- Monitored Microsoft Windows system performance and security for 50 clients at 10 organizations, recommending system modifications and upgrades when necessary or when requested by the client
- Monitored network infrastructure appliances such as switches, routers, WAPs, and hardware firewalls, performing system firmware upgrades when needed

EDUCATION

UNIVERSITY OF MICHIGAN COLLEGE OF ENGINEERING

B.S.E. Computer Science & B.S.E. Data Science – May 2018

- GPA: 3.6 / 4.0
- Relevant Courses: Algorithms & Data Structures, Computer Architecture, Computer Security, Java Programming, Web Systems, Operating Systems
- Awards: Dean's List and University Honors, 3 semesters

SKILLS

- Proficient in C++, Python, Java, Bash, SQL, HTML, git and Vim
- Comfortable with CSS, Javascript, and PHP
- Experienced in Linux administration, Raspberry Pi's, networking fundamentals, SSL/TLS, security, database and website administration

ACTIVITIES

Wolverine Capture The Flag

- Participated in 15 capture the flag cybersecurity challenges performing web and binary exploits

Girls in Electrical Engineering & Computer Science (GEECS)

- Volunteered to teach highschool girls introductory programming

GEECS Web Master

- Responsible for website operations of GEECS homepage including website architecture and adding content and features

PROJECTS

py-tls-observatory

- Created a python module to retrieve SSL / TLS configurations of a domain using Mozilla TLS Observatory API