Nathaniel Beckstead

nxb2253@rit.edu • https://scriptingis.life • Phone On Request

Objective

Pursuing a co-op/internship for the summer of 2019 to apply my interests in network security, incident response, and system administration.

Education

Rochester Institute of Technology - Rochester, NY GPA 3.4
Bachelor of Science, Computing Security, *Expected Graduation: December 2019*

Work Experience

KeyBank   *May-August 2018*
Information Security Intern - SOC   *Cleveland, OH*
- Proactively identified opportunities to automate existing incident response, threat hunting, and phishing response processes using Python and PowerShell. Produced thorough documentation.
- Monitored internal events using Arcsight ESM, Cisco Web and Email Proxies, and Carbon Black Response.
- Helped automate mainframe testing and reporting using Visual Basic during a hackathon event.

ChemImage Corporation   *May-August 2017*
Information Technology Intern   *Pittsburgh, PA*
- Secured guest wireless network and trained coworkers on the new system.
- Completed vulnerability management and upgrades for legacy systems.

Projects

Log Mapper rootonyour.webcam
- Created and programmed a cloud database to centralize failed SSH login attempts from multiple low-power sensors.
- Run a publicly accessible web server which generates an interactive map and statistics.
- Server and sensor written in Python. MariaDB database using Amazon RDS.

Honeystash - Honeypot Network
- Created a global network of honeypots using AWS and Google Cloud.
  - VPS creation and honeypot installation automated using Ansible.
- Review data using custom dashboards in Graylog.

Activities

- **RITSEC** (Formerly RC3 and SPARSA) Member, *2016-Present*
  - Mentor - Oversee a group of new members as they get acclimated to college life.
  - Speaker
    - *Using a Dating Site as a Botnet Command and Control Server*
    - *Log File to Google Map with Python*
  - White Team Volunteer - ISTS Information Security Talent Search, *2017 & 2018*
- Lead of software development for FIRST Robotics Team 4049, *2014-2016*

Relevant Classwork

Task Automation - *Python, Bash, Powershell*	Principles of Web Application Security
Network Services	Routing and Switching

Awards and Acknowledgments

- 2nd Place, IRSeC Incident Response Competition, *2017 & 2018*
- Eagle Scout