Tobias J. Schneider

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TECHNOLOGY

Languages: Python, Java, JavaScript, C/C++, Bash, SQL
Tools: Wireshark, nmap, Snort, Metasploit, Proxmox, iptables, pfSense, Postfix, Git, Flask, MySQL, Node.js, Express.js, Postman, MongoDB, Mongoose

EXPERIENCE

Software Developer - VCU Radiation Oncology   Fall 2018 - present
- Developed web servers for an application allowing physicians to track patient cancer treatments during diagnosis, treatments, and their follow up visits
- Designed and implemented REST APIs using Node.js and Express.js to handle HTTP requests and perform MongoDB database transactions using Mongoose for schema validation, tested APIs using Postman
- Worked with clients to determine project requirements, improve prototypes based on feedback in an iterative manner, based on Agile development methodology
- Worked with QA testers to ensure proper test coverage and expected functionality

Mid-Atlantic Collegiate Cyber Defense Competition (MACCDC) Spring 2018 - 2019
- Worked under pressure to actively defend several web servers from red teamers
- Performed Linux server administration/hardening, configured host firewalls (iptables/Windows Firewall), wrote playbooks detailing vulnerability management
- Promptly wrote and delivered incident response reports to mock law enforcement officers
- Finished in 2nd place as part of the VCU team in 2019

Data Engineer Intern - United Network for Organ Sharing (UNOS)   May - August 2018
- Worked with CTO to create a dashboard visualizing core product availability and network traffic over time
- Used Java, SQL, and Tableau to build data pipelines and dashboards for UNOS executives

EDUCATION

B.S. - Computer Science (graduating May 2019)   August 2015 - present
Minor in Mathematics
Virginia Commonwealth University, Richmond, VA
DHS/NSA Center of Academic Excellence in Cyber Defense Education
Relevant coursework/activities:
- Intro to Cyber Security (CMSC 413)
- Computer and Network Security (CMSC 414)
- Cryptography (CMSC 415)

AWARDS

ODU CyberOPS'18 CTF   September 2018
- Placed in top 5 competing teams (rank 5/17)

SANS Institute - CyberStart CTF   August 2017
- Placed in the top 3.4% of competitors (rank 133/3935)