Simon Owens

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OBJECTIVE

To obtain a full time Cyber Security position that allows me to protect customers and enable them to securely develop better products

SUMMARY

Engineering problem solving and project management skills
Self-motivated and technically oriented
Software projects available at https://github.com/so87
Active DoD Secret Clearance and IAT Level II Certified

EDUCATION

B.S. in COMPUTER SCIENCE — May 2019
Minor in MATHEMATICS — **GPA 3.34**
UNIVERSITY OF EVANSVILLE Evansville, IN

Related Courses

Modern Windows Exploit Development
Software Engineering
Secure Coding in C/C++ CERT SEI
Networks

SKILL SET

Cyber Defense

- Risk Management Framework
- Security Configuration and Patching
- Cryptographic Architecture Design
- Security+ Certified
- Pursuing CISSP Certification

Cyber Offense

- Penetration Testing
- SAST: Sonarqube, AnchoreEngine
- DAST: ZAP, Nessus, nmap, MSF
- Python, Bash, Powershell
- Pursuing OSCP Certification

Project Management

- Agile planning: Gitlab and TFS
- Office Products: Visio, Excel, PowerPoint, Word
- Agile workflow with value stream analysis

Software Engineering Knowledge

- Abuse Case Security Testing
- C/C++/Java(basic)
- Docker Containers
- Hashicorp Terraform

EXPERIENCE

Raytheon--Indianapolis, IN

Cyber Security Engineer Co-op — Jan 2017-Present

- Led Penetration testing assessments on government fielded devices that was submitted to various military branches
- Setup CI/CD pipeline with Gitlab, Jenkins, Mocha, Coverity, and Sonarqube to continuously deliver secure software and fix critical vulnerabilities
- Developed threat models and kill chains for Avionics systems. Altered system architecture and requirements
- Conducted a Defense Federal Acquisition Regulation Supplement (DFARS) assessment and remediation

Cyber Security Engineer Intern — May 2016

- Software Tester for Avionics mission planning application. Required knowledge of C#: Debugging, OpenGL, unit testing, and Refactoring.
- Completed a cyber vulnerability maintenance cycle on a fielded government device. Required knowledge of Security Technical Implementation Guides, Windows Registry, Group Policy, Windows scripting, and vulnerability scanners.
- Created an introduction to penetration testing guide for future lab employees

Independent Projects

- Completed three mini penetration tests with reports on vulnerable images from Vulnhubs
- Built a server and setup personal network. Secure administration network setup with: Segmentation, VLANs, Ansible patching & automation, and a SIEM. CI/CD pipeline with Github, Jenkins, Docker, Mocha, Sonarqube to deliver quality software continuously
- Developed Chess game logic in Java and then made a GUI for it
- Developed the Pohlig-Hellman algorithm to brute force weak prime numbers in poor Diffie-Hellman implementations

ACTIVITIES

National Leadership Society ACM IEEE Hackers for Charity