

Claire E. Peters

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PROFESSIONAL EXPERIENCE

Chevron Corporation

Network Engineering Intern, June 2020-August 2020

- Deployed SD-WAN software at downstream terminal sites using Cisco vManage/vEdge
- Upgraded Nexus devices from 7.x to 9.x with OpenGear
- Performed a network analysis and presented findings to top level executives
- Installed new Cisco Catalyst switches, transceivers and fiber optic cabling in the data center

Hewlett Packard Enterprise

Software Engineering Intern, May 2019-May 2020

- Developed a progressive web application in Angular to make documentation more accessible and portable by caching HTML text
- Created and integrated a REST API in JS and a MSSQL database to serve as the backend
- Quickly adapted and learned HTML, JavaScript, CSS, Angular in 8 weeks, completed the project solo

Cyber Learning Research Assistant

Assistant to Dr. Alejandra Magana Ph.D, October 2018-May 2019

- Assessed learning acceleration when using haptic devices
- Integrated a computerized tutor with an online simulation using JavaScript and HTML

NextLabs Inc.

QA Software Engineering Intern, July 2018-August 2018

- Developed test cases, performed integration & regression testing for authorization security software using PowerShell

TECHNICAL QUALIFICATIONS

Programming and Scripting:

- Java, Python, JavaScript, HTML, CSS, Angular & Angular Materials, shell scripting, REST APP's, SQL, Unix, Linux

Cryptography: implemented PKI, utilized hashing for file system integrity, symmetric/asymmetric encryption algorithms, key management

Security & Pen testing: develop exploit code for vulnerabilities, pen testing reports

- Unix and Linux brute force attacks, SQL injection, encryption & phishing techniques, credential harvesting, packet capture & analysis with Wireshark

Incident Response: developing and implementing enterprise level IR plan for attack response

Databases: database modeling, design and programming

- MSSQL Database and Oracle SQL Developer

Network Administration: built and secured a variety of network architectures using physical and virtualized machines. Routing and firewall experience with a variety of software

- Cisco switches and routers terminal, VSphere, pfSense firewall, OpenWrt, BIND DNS server on CentOS, Postfix, F5 BigIP

Networking and Network Security: configuring firewalls and VPN's, secure network architecture, network protocols TCP/IP, routing protocols, firewalls, cabling, OSI Model, access control lists

IOT: measuring area density using AWS, thermal camera sensors & Wi-Fi beacons

Windows & UNIX System Administration: designed active directory namespace using DNS, DFS, LDAP, virtual machines, domain administration

- VMware, Microsoft Server 2016, Unix, Linux, Microsoft Active Directory

PROJECTS

Security Eye & Network View

- Integrated a camera module with Raspberry Pi OS and motion pi to create motion sensor security system available via SSH
- Installed a second Wi-Fi adapter, Kismet, Linux with Raspberry Pi to create a Network scanner. Currently used to monitor packet traffic, operating frequencies and displays available devices

DVWA – Web Application Security

- Currently teaching myself Kali Linux and Burp Suite for web application pen testing

AFFILIATIONS

Cyber Forensics Club

Learned how to break systems using methods like mouse jacking & phishing attacks.