

Caleb Matsick

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Education

Liberty University

Lynchburg, Virginia

BACHELOR OF SCIENCE IN COMPUTER SCIENCE, MATHEMATICS MINOR, HONORS

Aug. 2018 - May 2022

- Cumulative GPA: 3.84/4.00 | Major GPA: 4.00/4.00
- Dean's List every semester
- Coursework: Technical Aspects of Computer Security, Operating Systems, System Administration, Network Architecture, Information Security

Skills

Programming C/C++ • Python • Powershell • Bash • Go • SQL/SQL Server

Tools Docker • Wireshark • Nmap • Metasploit • Burpsuite • Git

Technologies Windows Server 2012/2016 • Unix/Linux (Kali, Debian, CentOS) • AWS EC2 & ECS • Proxmox

Experience

Motley Fool Wealth Management

Remote

WEB ENGINEER INTERN

Jun. 2020 - Jul. 2020

- Utilized **Docker** to migrate **AWS** Data Pipeline Task Runner to **ECS** from an **EC2** instance resulting in approximately a 50% reduction in cost
- Developed a **Python** script to monitor Motley Fool Asset Management to ensure regulatory compliance, saving roughly 4 hours per month
- Wrote a **Python** program to fetch data files from an **SFTP** server, manipulate them with **Pandas**, upload them to an **S3 bucket**, then copy the results into a **Redshift** database
- Developed a quiz interface with **HTML**, **CSS**, **Javascript**, and **Django** to attract more entry-level users to The Motley Fool website

Liberty University

Lynchburg, Virginia

RESIDENT ASSISTANT

Feb. 2020 - Present

- Managed a dorm of over 85 students through submitting informational reports, checking in students, and coordinating COVID-19 changes.

Extracurricular

Collegiate Cyber Defense Competition Team

Lynchburg, Virginia

WINDOWS ADMINISTRATOR

Nov. 2019 - Present

- Competed on a team of eight other team members in Collegiate Cyber Defense Competitions
- Defended networks consisting of Windows and Linux machines from active Red Teamers by implementing security policies and configurations

Cyber Defense Club

Lynchburg, Virginia

OFFICER

Nov. 2019 - Present

- Taught over 60 club members the fundamentals of Cybersecurity ranging from topics such as creating and setting up **virtual machines** to learning networks through tools like **Nmap** and **Wireshark**
- Helped guide members through solving different Cybersecurity challenges through platforms such as **Hack The Box** and Bandit **Over The Wire**

Projects

Homelab

- Created a homelab using a two Dell towers and the **Proxmox** Virtual Environment
- Configured the server and ran several services including a VPN and a TrueNAS server
- Utilized DD-WRT and a WAP to build a subnet for the homelab network

Go Command & Control

- Developed a Command & Control framework in **Go**
- Created server and client applications to remotely execute commands, transfer files, and more

Competitions

2020	1st Place of 25 , Virginia Military Institute Cyber Fusion CTF Observer Challenges
2021	3rd (of 25) , Mid-Atlantic Cyber Defense Competition
2020	26th (of 995) , University of Virginia MetaCTF Cybersecurity Competition