

Alex Maclean

Cybersecurity student pursuing a career in cyber operations.

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Clearable

WORK EXPERIENCE

MITRE Corporation, Bedford — Cybersecurity Intern

JUNE 2019 - PRESENT

- Built and managed 7 internal websites for employees and government sponsors
- Worked on MagicDraw plugin (Java) designed to provide UML diagrams for model-based system engineering projects
- Collaborated with team of 8 to build unified digital engineering environment for MITRE projects
- Maintained internal corporate website viewable by all MITRE employees and all company executives

Walpole Youth Soccer Association, Walpole — Various Positions

SEPTEMBER 2014 - PRESENT

- Built and managed new website from scratch viewed by 8,000+ parents/coaches every year
- Refereed youth soccer games for 6 years
- Assigned referees to youth soccer games for 2 years
- Mentored youth soccer referees for 3.5 years (volunteer position)

Waterville Valley Golf Club, Waterville Valley — Bag Boy/Caddy

JUNE 2014 - AUGUST 2017

- Caddied for 4 years
- Worked in bag room for 4 years
- Taught lessons as Junior Golf Professional for 2 years

EDUCATION

Western Governor's University* — B.S. Cybersecurity

JANUARY 2020 - JULY 2020

Bachelor of Science degree in Cybersecurity & Information Assurance.

Walpole High School — High School Degree

AUGUST 2015 - JUNE 2019

Liberal arts high school degree. Final GPA (weighted): 4.5

SKILLS & TRAITS

Programming (Fluent):

Python | Java | HTML/CSS

Programming (Competent):

JavaScript | SQL | Bash/Shell

Professional:

- Natural Leader
- Great Communicator
- Responsible and Motivated
- Passionate Learner

CERTIFICATIONS

EC Council's ECIH

July 2020

CompTIA Security+

May 2020

CompTIA Network+

May 2020

CompTIA A+

May 2020

CompTIA Project+

July 2020

CIW Web Security Associate

June 2020

Axelos ITIL Foundations

March 2020

MTA Network Fundamentals

February 2020

MORE ABOUT ME

CV Website

alexmaclean23.github.io

LinkedIn Profile

linkedin.com/in/alexmaclean23/

COURSE WORK

Introduction to Information Technology

Computing history, ethics, information systems, & data management.

Fundamentals of Information Security

CIA triad, best practices, laws + regulations, & security guidelines.

Business of Information Technology

Service value system, service value chain, ITIL practices, & management.

Introduction to Cryptography

Encryption standards, cryptographic theory, & cryptographic algorithms.

Legal Issues in Information Security

Legal compliance, ethics, & security awareness training + education.

Data Management Applications

Database Types, structured queries, conceptual models, & MySQL.

Network and Security Applications

Hardware configuration, attack vectors, PKI, & network architecture.

Managing Information Security

Vulnerabilities, risk management, & incident response protocols.

Managing Web Security

OWASP top 10, security policies, & secure coding principles.

Managing Cloud Security

Cloud infrastructures, legal compliance, & cloud operations.

Digital Forensics in Cybersecurity

Forensic evidence, chain of custody, steganography, & legal procedures.

Emerging Technologies in Cybersecurity

Mobile technologies, wireless technologies, IoT, and embedded security.

Cyber Defense and Countermeasures

Incident response + handling, business continuity, & forensic analysis.

Capstone - Cybersecurity and Information Assurance

Honeypot Detection with Python.

CYBER TOOLS EXPERIENCE

WhoIs

TheHarvester

Nmap

Nessus

Nikto

Dirb

Netcat

Searchsploit

Metasploit

MSFVenom

Burp Suite

Hydra

JohnTheRipper

Aircrack-ng

WiFite

Wireshark

Mimikatz

Sherlock / Watson

LinEnum

+ more

NEXT STEPS

In the coming months, I hope to pursue a MS in Cybersecurity and Information Assurance from WGU. Additionally, I hope to test for the Certified Ethical Hacker (CEH), Computer Hacking Forensic Investigator (CHFI), and Offensive Security Certified Professional (OSCP) certifications in the near future.

*

Took 3 semesters worth of college credits in high school, and took 1 semester at UMass.