

Alex Maclean

A passionate cybersecurity enthusiast with an offensive cyber and 'combat coding' skillset. I have vested interests in both cyber operations and national security, a duo I hope to leverage protecting our nation against cyber attacks, as well as advancing the country's arsenal of cyber warfare techniques.

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DoD Interim Secret
Top Secret Clearable

RELEVANT WORK EXPERIENCE

The MITRE Corporation, Bedford — Cyber Systems Engineer

JANUARY 2021 - PRESENT

- Working with an intimate team of developers to construct a software model of the legacy Minuteman III (MMIII) Intercontinental Ballistic Missile (ICBM) communications infrastructure*
- Currently involved in MITRE's GBSD contract; specifically, in the Command & Launch division of the Air Force's Nuclear Command, Controls, and Communications (NC3) portfolio*

The MITRE Corporation, Bedford — Cyber Engineering Intern

JUNE 2019 - DECEMBER 2020

- Collaborated with team of 8 to build a unified digital engineering (DE) environment for MITRE + government sponsor use
- Maintained 7 internal corporate websites, accessible by all 8000+ employees and company executives

Walpole Youth Soccer Association, Walpole — Referee / Assignor

SEPTEMBER 2014 - PRESENT

- Statewide top youth referee for 4 consecutive years (2016-2019)
- Coordinated / Assigned all town referees for 3.5 years (2018-2021)

Waterville Valley Golf Club, Waterville Valley — Bag Room / Caddie

JUNE 2014 - AUGUST 2017

- Worked in bag room renting / cleaning / caddying clubs
- Taught lessons as a Junior Golf Professional for 2 years (2016-2017)

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 Diploma

AUGUST 2015 - JUNE 2019

Liberal arts high school degree. Final GPA (weighted): 4.51

SKILLS & TRAITS

Programming (Fluent):

- 3 years using Python
- 7 years using HTML / CSS
- Some use of Bash / Shell
- Limited use of SQL + Java

Professional:

- Natural Leader
- Great Communicator
- Responsible and Motivated
- Enthusiastic 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 classifications, structured queries, conceptual models, & SQL

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

*

As with many projects at MITRE, some of the specifics regarding the nature of my work are classified. Other details are labelled as Controlled Unclassified Information (CUI) and can be elaborated on in person, but can not be included in a public document, such as a résumé.

**

Took 3 semesters worth of college credits in high school and completed another full semester at UMass Amherst (Fall 2019).