

CONTACT INFO



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FORMAL EDUCATION

Bachelor of Science - Mechanical Engineering (3.72 GPA)

University of Dayton | 2016-20

Concentration in Mechanical Energy Systems

Cybersecurity - Artificial Intelligence Certificate Program

Purdue University Northwest | 2022-23

CERTIFICATIONS

Security+

CompTIA | 2021-Present

Cisco Certified Network Associate (CCNA)

Cisco | 2021-Present

Engineer Intern License (Ohio)

Engineers and Surveyors Board | 2021

SKILLS

- Coding & Web Development
 - Python** (advanced), **Bash** (intermediate), **C++** (basic), **SQL** (basic), **MATLAB** (basic), **Assembly** (basic), **HTML** (basic)
- AI/Machine Learning
 - Experience with:** Scikit-learn, Tensorflow, PyTorch, etc.
- Data Science
 - Experience with:** Matplotlib, Pandas, NumPy, Excel, Jupyter Notebook, etc.
- Penetration Testing

INTERESTS

- Electronic Warfare
- Outdoor Activities & Sports
- Capture the Flag Events / Hackathons

ALEXANDER T. OTTO

AVAILABLE TO START: JANUARY 2025

SECURITY CLEARANCE: TS/SCI



EXPERIENCE

AI/ML & Cyber Security Researcher

University of Dayton Research Institute | Dayton, OH | 2018 – 2021

- Conducted in-depth research in artificial intelligence and cybersecurity and comprehensive training of diverse machine learning models using extensive network data; specialized in the development and implementation of machine learning models to detect and analyze malicious packets.
- Collaborated with a cross-functional team to stay abreast of the latest advancements in AI and cybersecurity.

Cyber Operation & Electronic Warfare Officer

United States Army | Fort Drum, NY | 2021-Present

Brigade Cyber and Electromagnetic Activities Officer in Charge

- Led and coordinated cyber and electromagnetic activities for a light infantry brigade of approximately 3000 Soldiers, ensuring seamless integration of cyber capabilities into brigade operations, resulting in enhanced situational awareness and operational effectiveness.

Brigade Data Science Team Lead

- Spearheaded the establishment of a cutting-edge Data Science Team within the brigade, driving the operationalization of data to enhance efficiency and deliver crucial administrative metrics for the commander; successfully developed and implemented a data-driven solution within six (6) months of conception.

Electronic Warfare Company Commander

- Commanded a specialized Electronic Warfare (EW) company, overseeing training for two platoons; managed approximately 40 Soldiers, orchestrating EW support for division tasks and two brigades' missions in preparation for deployment.

PROFESSIONAL EDUCATION

Cyber Basic Officer Leadership Course (BOLC-B)

United States Army | Fort Eisenhower, GA | March 2021-December 2021

- Learned skills and knowledge to train and lead cyber network defense personnel in defending information technology (IT) networks, perform threat management of networks, and perform network forensic operations after a network intrusion.

Penetration Testing Course

Virtual Hacking Labs (VHL) | Remote | November 2021

Electronic Warfare Qualification Course (EWQC)

United States Army | Fort Eisenhower, GA | January 2022-May 2022

Title 10 Interactive On-Net Operator Course

United States Army | Fort Eisenhower, GA | February 2023-March 2023

- Education and training on Linux Fundamentals, Windows Fundamentals, Exploitation Methodology, Army Cyber Operations, and Operational Planning.