

Dominic Wojewodka

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EDUCATION

Stevens Institute of Technology, Hoboken NJ

Bachelor of Science in Cybersecurity, Minor in Computer Science Expected Grad Dec 2023

Relevant Coursework: Distributed Systems & Cloud Computing, Concurrent Programming, Systems Security, Database Management Systems, Algorithms, Data Structures, Systems Programming, Theory of Computation, Computer Architecture, Discrete Math for Cryptography, Discrete Structures, Principles of Programming Languages, Software Development Process

SKILLS

Programming Languages: Python (Industry), Typescript (Industry), C# (Industry), C (Classes), C++ (Classes), Java (Classes), Erlang (Classes), SQL (Classes), Rust (Projects)

Technologies: React, Vue, Flask, Socket.io, Git, Linux, Docker, EC2, Nginx, FastAPI, Actix Web

Skills: Distributed Systems, Systems Programming, Full-Stack Development

RELEVANT EXPERIENCE

Brigade Capital Management Software Engineering Intern

June 2022 - Present

- Built full stack web applications to support the trading team in displaying accurate real time financial data in a dashboard using a **React** frontend, **Python/Flask** backend, **SQL** database as well as **Socket.io** and **NodeJS** for real time capabilities
- Automated the retrieval of infrastructure logs using Microsoft **Graph API**, while cleaning and presenting relevant log data using **Python** and **Pandas**
- Constructed and tested **Docker** files and images, ensuring best practices for **scalability** and **security** when deploying web applications on **Kubernetes**

Langan Engineering Cyber Security Intern

January - June 2022

- Built a Windows 10 command line application for file explorer to automate engineer workflows using **C#**
- Automated secure secret distribution and management leveraging **Python**, Keeper Security development SDK, and DUO Multi Factor Authentication
- Improved **DevSecOps** posture by promoting and integrating **static code analysis** tools such as **Snyk** as part of the software development process, and educating developers on secure development best practices, using **Kali Linux** tools such as **Burp Suite**
- Organized a **phishing campaign** utilizing KnowBe4 software across **1500+** employees
- Monitored day-to-day network security incidents by utilizing **Cisco AMP**, **Meraki** and **Umbrella** software and managed email filters to prevent phishing attacks
- Reviewed security policies, **DFARS/CMMC** compliance & **Incident Response** plans

Private Tutoring Computer Science Tutor

September - December 2021

- Developed a project-based learning curriculum to successfully teach topics such as: **Python**, **C++**, **Web-Development**, **Data-Structures/Algorithms**, **Cryptography**, **TCP/IP Networking**, and **Linux** to my clients

PROJECTS

[OpenEJ.io](#) Open Source Project Founder

August 2022 - Present

Created an open source platform targeting the automotive racing industry

- Planned and assembled a **microservices** architecture deployed on **Docker** containers, and an **API Gateway** design pattern through **Nginx** to allow for scalability and adaptability
- Designed a Frontend written in **VueJS** with backend services written in **Python/FastAPI** as well as **Rust/Actix-Web** for high-performance services
- Analyzed and normalized incoming JSON api request data, performed necessary calculations and exposed the resulting data to an api endpoint utilizing **Pandas**