

Caleb Welsh

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I'm enrolled at Purdue University, pursuing a degree in cybersecurity with a focus on computer science. I am interested in both the versatility of various programming languages and the complexity of a structured system. I'm currently exploring full-time and internship opportunities that will help me expand my critical analysis skill set and grow my understanding of information systems security.

Education

Bachelor's degree in Cyber Security Purdue University - West Lafayette, IN - July 2021 - Dec 2024

Work Experience

IT Specialist DFAS (Defense Finance and Accounting Service) - Indianapolis, IN May 2024 to Aug 2024

Implemented FISCAM and RMF security controls to ensure compliance with federal regulations and enhance system security. Conducted risk assessments, identified potential vulnerabilities, and applied effective mitigations. Managed Identity and User Access Management (IAM) solutions, including the development and enforcement of role-based access controls (RBAC)

Security Automation DNAnexus - Mount View, CA May 2022 to Aug 2022

Deployed apps on scalable infrastructure specifically targeted to the cloud environment, AWS, and Terraform. Designed, documented, and implemented new web service APIs for internal and external services. Created projects centered around device/user management leveraging Python, bash, and HCL. Worked in a highly collaborative agile environment.

Undergraduate Student Researcher Viasat Inc. - West Lafayette, IN August 2021 to May 2022

Leveraged Machine Learning, Convolutional Neural Networks, Python, and Natural Language Processing. Develop algorithms to train large datasets in regard to Image Processing and Super Resolution. Part of the Purdue University Datamine Corporate Partners Program.

Walmart eCommerce Walmart - Plainfield, IL January 2019 to July 2021

Oversaw on-site customer shopping experiences through product organization and site management activities. Served as a first point of contact for online customers for local transfer of goods.

Summer Intern V&N Advanced Automation Systems - Rockledge, FL August 2020 to September 2020

Overview of system development, such as project management, system and component design, procurement, fabrication/assembly, and testing.

Aquatic Center - Lifeguard Bolingbrook Park District - Bolingbrook, IL May 2017 to May 2017