

Caleb Welsh

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I recently graduated from Purdue University with a degree in cybersecurity and am now pursuing a Master of Science in Data Science (MSDS). I'm passionate about programming, data analysis, and automation, and I'm eager to apply my skills to real-world challenges while continuing to grow in the field.

Education

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

Master's Degree in Data Science, Purdue University - West Lafayette, IN - May 2025 - May 2026

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 Engineer DNAnexus - Mountain View, CA May 2022 to August 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. Developed 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

Oversaw the end-to-end system development lifecycle, including project planning, system and component design, procurement, fabrication/assembly, and testing for key automation initiatives.