

# Paul Coleman

Email: [engineering.paul@icloud.com](mailto:engineering.paul@icloud.com)

[Portfolio Website](#)

[GitHub](#)

## SUMMARY

Master's student in Computer Science specializing in Artificial Intelligence and Machine Learning, with experience in full-stack development using the Microsoft tech stack. Skilled in developing AI-driven solutions for fintech and cybersecurity, leveraging a strong background in software development and data analysis. Adept at working with cloud infrastructure, containerization, and deployment of machine learning models. Proficient in Python, Flask, and Docker, with hands-on experience in designing, developing, and migrating web applications to AWS. Committed to utilizing technology to solve complex problems in dynamic environments.

## PROFESSIONAL EXPERIENCE

### Full Stack Software Engineer

ResNexus | Salem, UT

- Developed backend APIs, frontend UI/UX, and database solutions, improving data integrity.
- Worked with Microsoft tech stack, version control (Git), and deployment systems.
- Enhanced hospitality software, ensuring system reliability and testing.

### Software Engineer Intern

Utah Valley University College of Engineering

- Led a team enhancing robotics systems with AI for object recognition and NLP.
- Implemented network security for robotics, ensuring data protection.
- Showcased robotics projects at STEM fairs.

### Computer Science Assistant Teacher

Utah Valley University Department of Computer Science

- Teaching assistant for two undergraduate junior computer science courses; C++ and Python.
- Co-designed curriculum, documentation, and coding standards.
- Graded assignments and provided feedback and tutoring.

### **Technical Support Specialist**

Dell Inc., Clearfield, UT

- Provided technical support for customers of Dell XPS systems, focusing on troubleshooting hardware and software issues.
- Received CompTIA A+ Hardware Certification.

## **EDUCATION**

Master of Science in Computer Science

Utah Valley University | Expected: Aug 2025

Bachelor of Science in Computer Science

Utah Valley University | Aug 2022

## **CERTIFICATIONS & SKILLS**

- Programmer Certification | Utah Valley University | 2020
- Deans List | 2020, 2021, 2024
- AI and ML: Model development, deep fake detection, Natural Language Processing (NLP), computer vision, autonomous systems, object and facial recognition, AI-driven cybersecurity.
- Web Development: Flask, C#, JavaScript, Git, UI/UX.
- Project Management: Agile, Scrum, leadership, communication.
- Systems Architecture: Scalable systems, cloud computing (AWS, GCP).
- Programming: Python, JavaScript, Java, SQL, HTML5/CSS3.