Paul Coleman

Email: engineering.paul@icloud.com

[Portfolio Website](https://portfoliorender-p89i.onrender.com) | [GitHub](https://pau1co1e.github.io)

Date Available to Begin Work: Immediately

# 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 | Orem, UT

- 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 | Orem, UT

- Teaching assistant for two undergraduate junior computer science courses; C++ and Python.  
- Co-designed curriculum, documentation, and student requirements.  
- Graded student homework submissions and quizzes while providing feedback and tutoring.

### Technical Support Specialist

Dell Inc. | Clearfield, UT

- Provided technical support for Dell XPS systems, focusing on troubleshooting hardware/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 | August 2022

# CERTIFICATIONS & SKILLS

### Artificial Intelligence & Machine Learning

Model development, deep fake detection, Natural Language Processing (NLP), computer vision, autonomous systems, object and facial recognition, AI-driven cybersecurity.

### Web Development

Flask, JavaScript, C#, Git, UI/UX design, responsive web development, version control.

### Project Management

Agile, Scrum, team leadership, communication, version control, development lifecycle management.

### Systems Architecture

Scalable systems, cloud computing (AWS, GCP), containerization, Docker, infrastructure optimization.

### Programming Languages

Python, TensorFlow, Java, SQL, Docker, C#, JavaScript, HTML5/CSS3.