Paul Coleman

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[Portfolio Website](#)

[GitHub](#)

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

- 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.