

Paul Coleman

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[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. I've built projects from scratch in areas like computer vision, natural language processing, sentiment analysis, financial prediction models, anti-spam systems, and deepfake detection. I take pride in building every project from the ground up, getting hands-on with the code, and solving real-world problems.

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.