

Paul Coleman - Resume

Email: engineering.paul@icloud.com

Date Available: Immediately

Website: codebloodedfamily.com

GitHub: [Pau1Co1e.git.io](https://github.com/Pau1Co1e)

SUMMARY STATEMENT

Versatile Software Engineer and Computer Science graduate student with a diverse background in AI/ML, software development, and systems integration. Passionate about leveraging Machine Learning techniques to solve real-world problems across industries such as cybersecurity, finance, and cloud computing. Skilled in developing AI models, enhancing performance, and ensuring secure, efficient systems. Seeking opportunities that allow for impactful contributions in Artificial Intelligence, Machine Learning, and cutting-edge technology development.

AREAS OF INTEREST

- Machine Learning Engineer
- Data Scientist
- AI Researcher
- Software Engineer with AI/ML focus

PROFESSIONAL SKILLS

- AI & Machine Learning: Model Development, Algorithm Design, Deep Fake Detection, Anti-Spam Filtering, Robotics, Computer Vision, Facial Recognition, NLP, Sentiment Analysis, Chatbots.
- Web Development: Flask, JavaScript, C#, PHP, SEO, UX/UI Design, Git, Swift.
- Project Management: Agile, Team Leadership, Scrum, SDLC.
- Systems Architecture: Scalable systems design, software-hardware integration.
- Statistics & Math: Regression, Bayesian Statistics, Fractal Geometry, Differential Equations.

- Cloud Computing: AWS, Google Cloud.
- Programming Languages: Python, C#, Java, PyTorch, TensorFlow.
- Database Management: Microsoft SQL Server, MySQL, Data Analysis, Database Design, PostgreSQL.

PROFESSIONAL WORK EXPERIENCE

Full Stack Software Engineer

ResNexus, Salem, UT (September 2023 - December 2023)

- Developed backend APIs and frontend components using the Microsoft tech stack for a web-based hotel and rental management product.
- Worked on integrating and maintaining backend services, databases, and frontend user interfaces to ensure smooth operation and feature enhancement.
- Optimized database queries to reduce system load times, improving performance for end-users.
- Assisted with deployment processes and troubleshooting issues, contributing to reliable and efficient product releases.
- Collaborated with other team members to understand user needs and implement features that improved customer experience.

Software Engineer Intern

Utah Valley University, Orem, UT (January 2021 - December 2021)

- Led a team to improve humanoid robotics performance and reliability.
- Developed autonomous functions using AI/ML for object and facial recognition, and NLP.
- Implemented network security with firewalls and encryption.

Computer Science Assistant Teacher

Utah Valley University, Orem, UT (January 2020 - December 2020)

- Assisted in teaching C++ and Python courses.
- Co-designed curriculum and provided one-on-one student support.
- Graded assignments and quizzes, offering feedback to enhance learning.

Technical Support Specialist

Dell Inc., Clearfield, UT (January 2007 - January 2008)

- Provided technical support for Dell XPS customers.
- Specialized in computer hardware and software, earning CompTIA A+ Certification.

EDUCATION

Master of Science in Computer Science

Utah Valley University, Orem, UT (Expected Completion: August 2025) GPA: 3.27

Bachelor of Science in Computer Science

Utah Valley University, Orem, UT (Graduated: August 2022) GPA: 3.26

CERTIFICATIONS/ACHIEVEMENTS

- Programmer Certification, Utah Valley University, August 2020
- Dean's List, 2020, 2021
- CompTIA A+ Certification, Dell Inc.

VOLUNTEER EXPERIENCE

Northern Utah Habitat for Humanity Clothing Drive (June 2014)

Organized a local donation event to support children and families in the Dominican Republic.