Paul Coleman

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My Portfolio: https://colemantech.netlify.app
GitHub Pages: https://Pau1Co1e.git.io

Date available to begin work: Immediately

SUMMARY STATEMENT

Versatile Software Engineer with a strong foundation in Computer Science, focusing on applying Artificial Intelligence and Machine Learning to cybersecurity, finance, data analysis, and cloud computing. Proven track record in developing and managing AI models and developing Machine Learning algorithms used for cybersecurity solutions, optimizing system performance, and ensuring data security and integrity. Eager to leverage my skills in an IT or Software Engineering role to enhance system reliability and efficiency.

PROFESSIONAL SKILLS

Education	Dedicated and insightful scholar with a relentless pursuit of knowledge in Computer Science and Mathematics, fortified through a rigorous academic journey at Utah Valley University. Mastered a broad spectrum of computer science disciplines, from foundational principles to advanced topics in Artificial Intelligence, Machine Learning, and topics in Advanced Mathematics, ranging from numerical, probability, and statistical analysis, to multi-dimensional mathematics in Chaos Theory, and Quaternions, demonstrating exceptional intellectual growth and technical proficiency.
Experience	Dynamic and innovative professional with a comprehensive history of contributing to pioneering technology and enhancing infrastructures. Problem solving beyond traditional solutions with creative software engineering, underscored by a series of progressively responsible roles. Brings a holistic understanding of the technology landscape, from system administration to complex algorithm development. From web development to AI driven systems, driving forward organizational objectives with cutting-edge solutions.
Personal	Effective team leader with strong communication skills and work ethic. Continuous self-improvement through self-learning and real world applications. Proven record of meeting deadlines and achieving goals, while exceeding expectations. Meticulously organized and focused.

PROFESSIONAL WORK EXPERIENCE

Full Stack Software Engineer, September 2023 – December 2023

ResNexus, Salem, UT

- Led the development and integration of automated solutions, improving developer productivity and data integrity.
- Using the Microsoft tech stack, developed API's, managed databases, contributed to UI/UX, expanded application functionality, testing, and deployment.
- Designed, developed, and tested various software solutions, contributing significantly to hospitality and reservation software advancements.

Software Engineer Intern, January 2021 – December 2021
Utah Valley University College of Engineering and Technology, Orem, UT

- Led a small team in the development and enhancement of humanoid robotics, focusing on performance and reliability.
- Implemented network security measures for the robotics networking systems, including firewalls and encryption, protecting sensitive information..
- Developed autonomous system functionalities using Artificial Intelligence and Machine Learning for object and facial recognition recognition and natural language processing.
- Attended and gave live demos at university STEM recruitment fairs with the robots.

Computer Science Assistant Teacher, January 2020 – December 2020 **Utah Valley University Department of Computer Science,** Orem, UT

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

Technical Support Specialist, January 2007 – January 2008 **Dell Inc.,** Clearfield, UT

- Offered in depth technical support and troubleshooting for Dell XPS customers.
- Provided quick and accurate solutions and concise, easy to follow instructions to a wide range of customers.
- Trained as a computer hardware and software support specialist, receiving CompTIA A+ Hardware Certification.

EDUCATION

Master of Science in Computer Science, August 2025, Utah Valley University, Orem, UT, GPA 3.3

Bachelor of Science in Computer Science, August 2022, Utah Valley University, Orem, UT, GPA 3.4

CERTIFICATIONS/ACHIEVEMENTS

Programmer, August 2020 Utah Valley University, Orem, UT

Deans List, Utah Valley University, Orem, UT

VOLUNTEER EXPERIENCE / COMMUNITY SERVICE

Northern Utah Habitat for Humanity Clothing Drive, June 2014
Utah State University, Logan, UT
Started a local donation event on campus to provide clothing for children and families in HH's Dominican Republic project.

KEY SKILLS

- **Project Management: Agile Methodologies, Software Leadership, Team Leadership, Effective Communication.**

- **Systems Architecture: Proficient in designing, evaluating, and implementing efficient, scalable systems architectures. Expertise in integrating complex software solutions with hardware to optimize infrastructure for robustness and scalability.**

- **Artificial Intelligence and Machine Learning: Model Development, Algorithm Design, Accuracy Improvements, Deep Fake Detection, Anti-Spam/Phishing Intelligent Email Filter, Autonomous Robotics Systems, Facial Image Detection, Natural Language Processing, Sentiment Analysis.**

- **Statistics and Mathematics: Inferential Statistics, Probability Theory, Distributions, Regression Analysis, Bayesian Statistics, Causality, Fractal Geometry, Differential Equations, Multi-variable Calculus.**

- **Systems Administrator Networking**: Windows, Linux, Unix, Shell Scripting, Docker.

- **Cloud Computing**: AWS, Google Cloud.

- **Programming**: Python, Java, TensorFlow, sklearn, Javascript, HTML, CSS, JSON, XML, Flask, Node.js.

- **Database Management**: Microsoft SQL Server, MySQL, Data Analysis, Database Design, RDBM.