

Eric Jeffcoat

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EDUCATION

University of Oregon - B.S. Computer Science

April 2026

Relevant Coursework: Intermediate Data Structures & Algorithms, C/C++ and Unix, Operating Systems, Software Methodology, Secure Software Development, Database Processing

SKILLS

- **Programming Languages:** Python, JavaScript / TypeScript, Java, C, C++, C#, SQL
- **Engineering Tools:** Git / GitHub, Docker, AWS, Pytest, Linux, Visual Studio Code
- **Frameworks & Libraries:** Flask, Django, React, MUI, ASP.NET, PySide6, HTMX
- **Databases & Tools:** SQLite3, PostgreSQL, SQLAlchemy, Alembic

Certifications:

- AWS Certified Cloud Practitioner CLF-02
- CompTIA A+
- In Progress: CompTIA Network+

EXPERIENCE

Manufacturing Technology Asst. & Internal Tooling - Moss Inc

Jul. 2025 - Present

- Developed a departmental inventory management system that demonstrated sufficient value to prompt management-driven expansion, scaling my own application to support full on-site inventory tracking.
- Developed custom PySide6 desktop applications to streamline production inventory workflows, reducing manual count time by 87%.

Technical Support & CNC Technician - Moss Inc.

Aug. 2024 - Jul. 2025

- Architected and deployed a full-stack inventory management system (SQLite3, Flask, React) that replaced a legacy solution and is actively used in production.
- Implemented QR code label generation for granular tracking, integrating with on-site printer APIs and barcode scanning hardware.
- Built managerial reporting features providing real-time inventory insights for department leadership.
- Operated and maintained Automatrix CNC machinery utilizing Patternsmith software to produce event decor installations for various Fortune 500 companies.

Quality Assurance - Stretch Shapes LLC

Apr. 2023 - Aug. 2024

- Designed and deployed a Flask web application (SQLAlchemy, Matplotlib) to replace a legacy error tracking system, introducing data visualization and analytics capabilities previously unavailable to the department.
- Contributed to the development of standardized operating procedures, improving consistency across common role operations.

Portfolio

For a more in-depth overview of software related projects I have worked on or designed, please view my online portfolio: <https://jeffcoat.dev/>