

VERONICA FOLTZ

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veronica-foltz.github.io/portfolio

Professional Summary

Recent Computer Science graduate with hands-on experience in full-stack development, algorithms, and AI-powered applications. Skilled in HTML, CSS, JavaScript, Python, SQL, C++, Java, and Git. Excellent interpersonal skills, result-oriented, and a passion for learning new technology. Seeking to contribute as an entry-level software engineer.

Technical Skills

- Programming: Python, JavaScript (React, Node.js), Java, C++, SQL, HTML, CSS
- Tools & Platforms: Git/GitHub, Vercel, Linux, Docker, FastAPI, Next.js, JSON, REST APIs, PostgreSQL
- Concepts: Algorithms, Databases, Full-Stack Development, Optimization, AI/ML fundamentals
- Professional: Project Management, Communication, Problem-Solving, Adaptability, Flexibility

Professional Experience

Trimble Equine Center | Stable Assistant | Dec 2024 – Sept 2025

- Supported daily operations including feeding, hydration, and facility maintenance for horses.
- Ensured animal safety and welfare through consistent monitoring and adherence to care routines.
- Collaborated with team members to complete time-sensitive tasks efficiently.

Stay-at-Home Parent | 2015 – Present

- Managed household operations, scheduling, and budgeting with efficiency and cost awareness.
- Developed problem-solving, adaptability, and time-management skills while balancing competing priorities.
- Applied digital tools to improve workflows and coordinated logistics, activities, and educational planning.

Certifications

- LPI Linux Essentials (Jan 2025)
- ITIL Foundation Certification (Mar 2025)

Projects

Smart Pricing Engine

Created a full-stack pricing optimization tool (FastAPI + JavaScript) that applies machine learning demand-elasticity models to recommend dynamic prices. Added real-time alerts, CSV export, and an interactive frontend. Helps retailers respond faster to competitor moves, avoid stockouts, and improve margins through data-driven pricing decisions.

Smart Stable Scheduler

Single-page web app (HTML/JS/CSS) with interactive Gantt chart and greedy scheduling heuristic. Optimized for on-time completion with extensible CP-SAT optimization. Deployed via GitHub Pages.

Brand-in-a-Box

AI marketing asset generator (Next.js, TypeScript) leveraging Ollama/OpenAI APIs and image pipeline. Integrated multiple AI APIs using JSON-based requests and responses to automate marketing content generation. Reduced campaign drafting time from minutes to seconds. Deployed on Vercel.

Education

- Bachelors in Computer Science | Western Governors University | Sept 2025
- Masters in Business Administration (MBA) | Ottawa University | 2012
- Bachelors in Developmental Psychology | University of Kansas | 2010