Spencer Hamilton

(208) 315-2009 ~ spencernhamilton@gmail.com ~ www.linkedin.com/spencernh

Education

Colorado School of Mines – Golden, CO   2021 - 2025
Bachelor of Science, Computer Science

Skills

Languages: C/C++, Python, JavaScript, TypeScript, HTML, CSS, Java, RISC-V Assembly
Linux/UNIX: In-depth understanding of the Linux operating system and multiple distributions. Proficient in Bash scripting.
CS Fundamentals: Strong foundation in data structures and algorithms (graph theory, dynamic programming), with a firm understanding of foundational mathematics (e.g., Discrete Mathematics, Linear Algebra, and Calculus).
CAD Design: Hands-on experience with SolidWorks and Civil3D in academic and professional projects.

Work Experience

Qualcomm   August 2024 – December 2024
Software Engineer Intern   Boulder, CO
- Worked in a small team to create a user-friendly desktop application with Electron and TypeScript to create a GUI for a command-line Python diagnostic tool.
- Engineered a Python backend with a dual communication interface: a FastAPI REST API and a Socket.IO WebSocket for real-time client updates.
- Worked as a Scrum team leader during the development process managed by Jira, used Git for version control, and wrote detailed internal documentation.

Sero Health Inc.   July   2022 – September 2023
Full Stack Web Developer   Remote
- Engineered a responsive web application for remote EMDR therapy in an Agile environment, featuring an intuitive React and Material UI frontend that allows therapists to remotely control therapy tappers.
- Leveraged the full Firebase suite for the backend infrastructure, using Firestore for data, Cloud Storage for user-uploaded content like PDFs and images, Authentication for security, and Cloud Functions for serverless logic.

Nemic Engineering   June 2021 – August 2021
Civil Engineer Intern   McCall, ID
- Developed precise 3D models for a diverse range of projects including interstates, interchanges, parking lots, and sidewalks using Civil 3D and construction surveying plans.
- Ensured all models adhered to specific state guidelines and standards for compliance and accuracy.
- Conducted rigorous quality checks on my own work and that of my colleagues to maintain the company's high standards.

Project Portfolio

Portfolio Website

https://spencer119.github.io/portfolio/

Contains all previously worked on projects and source code for any open-source projects.