

Diego G. Trevino

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EDUCATION

B.S. in Computer Science

Expected Graduation, June 2026

Central Washington University

Ellensburg, Washington

- Minor: Mathematics / GPA: **3.60/4.00**, Dean's List
- Coursework: Advanced Data Structures & Algorithms, Computer Architecture, Software Engineering, Data Mining, Database Management, Discrete Mathematics

EXPERIENCE

AI Trainer

Jan 2026 – Present

Handshake

- Developed and evaluated **domain-specific prompts** to assess the performance of large language models (LLMs).
- Analyzed LLM outputs for **scientific accuracy, clarity, and depth** in specialized subfields.
- Contributed to improving AI understanding of complex concepts through **iterative annotation and feedback**.
- Conducted independent research to support **prompt development and evaluation** tasks.

Teaching Assistant – Algorithm Analysis & Data Structures

Jan 2025 – Jun 2025

Central Washington University

Ellensburg, WA

- Supported upper-division CS instruction, holding **office hours** and assisting students with **time complexity, graph algorithms, dynamic programming, and data structures**.

Founding Engineer

May 2026 – Present

Valley Web Design

Yakima, WA

- Founded a **freelance web design business** serving Yakima Valley small businesses with bilingual (English/Spanish) marketing sites.
- Built and deployed **responsive, bilingual websites** using TypeScript, Node.js, and MongoDB, tailored to client needs and local market.
- Designed site architecture with **contact forms, SEO optimization, and mobile-first layouts** to maximize client visibility.

PROJECTS

Bitwise – Founding Engineer

React, Node.js/Express, MongoDB, JWT, Vercel

- Built a **full-stack educational web app** for CWU's Computer Architecture course, enabling students to master cache memory mapping through interactive game modes with increasing difficulty.
- Integrated **Claude AI** to generate dynamic hints and explanations, improving concept retention across 3 core game modes.
- Implemented **JWT authentication, XP scoring, and a live leaderboard**, driving engagement and allowing instructors to track student progress in real time.
- Deployed pre/post assessments measuring learning outcomes — **over 20 students** used the platform with **95% demonstrating measurable progress**.

Emergency Dispatch System – Lead Developer

Spring Boot, MySQL, JavaScript, HTML5/CSS, Java

- Designed a **real-time emergency vehicle tracking system** with call logging, unit routing, and a responsive JS/HTML5 frontend.
- Built a normalized **SQL database schema** to manage user roles, emergency units, and call logs across a **team of 4 developers**.

SKILLS

Languages: Python, JavaScript (ES6), TypeScript, Java, HTML5, CSS, SQL

Frameworks/Libraries: React, Next.js, Node.js, Express, Spring Boot, Tailwind CSS

Databases: MongoDB, MySQL, PostgreSQL

Tools: Git, Postman, Linux, macOS, Windows

Languages (spoken): English (Fluent), Spanish (Proficient), Japanese (Limited)