# Erick Hernandez

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## Education

**Gonzaga University** — Spokane, WA
*Bachelor in Computer Science* — *Expected May 2027*
- Relevant Coursework: Data Structures & Algorithms, Systems Programming, Software Engineering, Databases, Cryptography, Computer Networks, Data Science Algorithms.

## Experience

**Controls Engineering Intern** — Jul. 2026 – Sep. 2026
*Jubilant HollisterStier — FDA-Regulated Pharmaceutical Manufacturing* — *Spokane, WA*
- Prototyped Line 2 SCADA screens in AVEVA InTouch HMI, raising operator usability without sacrificing throughput and cutting routine metric lookups from **9 clicks to 3**.
- Integrated HMI prototypes with process historian data from Allen-Bradley and Siemens PLCs to validate behavior against real production equipment; deployed software on FacilityPro and supported controls engineers on legacy manufacturing lines.
- Built a Microsoft Copilot Studio agent retrieving and summarizing **20+ One Point Lessons** on demand, cutting document retrieval from an average of **7 clicks to a single query** and driving adoption of underused documentation.
- Engineered no-answer fallbacks so the agent never fabricated procedures in a GMP-regulated facility; partnered cross-functionally with a manufacturing intern to make our agents interoperate.

**Co-Founder & Systems Developer** — Jan. 2026 – Present
*GET Logistics LLC* — *Remote*
- Architected and deployed a full-stack AI-powered outreach platform handling **500+ automated emails per day** with intelligent reply detection and multi-step follow-up sequencing.
- Built RESTful APIs and backend services in Node.js and MongoDB; integrated Claude AI and Gmail APIs for personalized content generation, cutting manual outreach effort an estimated **80%**.

**Management Sales Trainee Intern** — Jun. 2025 – Sep. 2025
*Enterprise Mobility* — *Spokane, WA*
- Ranked **#1 intern across Washington & Alaska** for sales performance out of a regional intern cohort.

**Logistics & Systems Developer** — Aug. 2022 – Present
*E & T Trucking LLC* — *Denver, CO (Remote)*
- Built fleet tracking and reporting tools improving shipment visibility across **3 locations and 40+ trailers**.
- Automated financial tracking and reporting with Excel and custom scripting, cutting manual reconciliation time.

## Projects

**Secure Threat-Intelligence Sharing System** | *Senior Design, CPSC 491/492* — Sep. 2026 – Present
- Designing with a 4-person sponsored team an automated threat-intel sharing system for critical-infrastructure organizations, replacing manual re-keying across incompatible platforms via connectors and API integration.

**TrailerTrack** | *React, Vite, Firebase, Firestore, Cloud Functions, Google Maps API, Tailwind CSS* — 2024 – Present
- Built and maintain a real-time trailer tracking dashboard in **daily production use**, with Firebase Auth and role-based access control for admin and driver-facing views.
- Engineered an event-driven Google Sheets → Firestore ingestion pipeline using Cloud Functions triggers, automating data sync for operations.

**MycoControl Environmental Automation System** | *Raspberry Pi, Python, GPIO, Sensors* | *CPSC 391* — 2026
- Team lead; built the live dashboard UI for a closed-loop temperature, humidity, and $CO_2$ control system.

## Technical Skills

**Languages:** Java, Python, C/C++, JavaScript, SQL
**Web:** React, Vite, Tailwind CSS, HTML/CSS, Node.js, Express, Flask
**Data & Cloud:** Firebase (Firestore, Auth, Cloud Functions), MongoDB Atlas, GCP (OAuth2), Docker, Vercel, Railway
**Industrial Automation:** AVEVA InTouch HMI, SCADA, Allen-Bradley & Siemens PLCs, Process Historians
**APIs & Integrations:** Claude AI API, Microsoft Copilot Studio, Gmail API, Google Maps API, Resend API, REST
**Core CS:** Data Structures & Algorithms, OOP, Systems Programming, Unit Testing | **Bilingual:** English & Spanish