

Steven Ho

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EXPERIENCE

Edge | Full Stack Software Engineer Intern | Sacramento, CA

July 2023 – May 2024

Full Stack Intern on the internal applications team to increase operational efficiency through optimized integrations and tool development.

- **Developed** a dynamic search API using **Express.js** and **MongoDB**, enabling efficient user searches by email, name, or phone number, resulting in a **10% reduction in search times** by optimizing query structure.
- **Improved** the operation team's productivity by building data retrieval tools for their internal workflows.
- **Deployed** updates to the internal application using **CI/CD pipelines**, ensuring consistent **integration across environments**.

Developer | Prosper AutoWerks | Sacramento, CA

December 2024 - February 2025

Leading the development of a full-stack web application for a local tinting and wrapping business to streamline operations, reduce phone call time, and automate scheduling tasks.

- **Designed** and implemented an email notification system using **Nodemailer** and a text alert feature with **vtex**, ensuring real-time updates and reducing manual follow-ups by **30%**.
- **Developing** an automated quote generation feature powered by a **Supabase backend**, improving pricing calculation accuracy by **25%** for vehicle details and requested services.
- **Integrating Google OAuth 2.0** for secure user authentication and planning **Google Calendar API** integration to automate scheduling and prevent booking conflicts.

Developer | The Lamby Shop | Sacramento, CA

January 2024 - December 2024

Led a team of eight developers to design and deploy a full-scale e-commerce website, utilizing **Figma** for user-centric interface design and **Entity Relationship Diagrams (ERD)** for system architecture.

- **Built** a responsive front end with **React** and developed a serverless backend using **AWS API Gateway**, **AWS Lambda**, and **DynamoDB**, improving query efficiency by **15%**.
- **Developed** a custom checkout flow leveraging the Stripe API, creating a secure payment route in AWS Lambda and integrating it with the front-end application.
- **Developed** inventory management and customer checkout processes, ensuring a scalable and efficient system for both clients and users.

PROJECTS

Developer | ML F1 Prediction Model

August 2025 - September 2025

Identified the challenge of predicting F1 Race outcomes using historical and qualifying data. Trying to ensure fair evaluation.

- **Designed** an ML pipeline in **Python** using **Pandas**, **NumPy**, and **LightGBM** with elo based rankings and circuit affinity features, allowing pre-qualifying and post-qualifying prediction models.
- **Built** a **FastAPI** interface to serve predictions enabling downstream consumption in apps and created a console demo file for past and upcoming races.
- **Developed** a validated model for performance through cross validation and isotonic calibration, producing win probabilities and ensuring consistent metrics through each season.

SKILLS

Languages: TypeScript, JavaScript, Python, Java, C, Ruby

Frameworks & Libraries: React, Next.js, Express, NumPy, Pandas, Scikit-learn

Databases: MongoDB, DynamoDB, Supabase, Oracle

Tools & Technologies: Git, AWS, Vercel, CI/CD, Postman, Figma

Security & Monitoring: Wireshark, Splunk, nmap, Linux hardening, vulnerability remediation

Certifications: CompTIA Security+

EDUCATION

California State University, Sacramento

August 2019 - December 2024

B.S Computer Science