

ETHAN DAVIDSON

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Full Stack TypeScript Engineer and Open Source Enthusiast

EXPERIENCE

Google

Kirkland, WA

Software Engineering Intern

2022

- Architected and shipped production features for **Google Dataplex** UI platform using **Angular** and **RxJS**
- Engineered a reactive state configuration system, eliminating manual environment setups
- Implemented comprehensive design docs, test coverage, and **CI/CD pipelines** for critical UI components
- Drove technical design reviews and delivered impact presentations to senior engineers

Google

Cambridge, MA

Student Training in Engineering Program (STEP) Intern

2021

- Owned full-stack development of critical **Hotel Center** promotions dashboard using **Java** and **Angular**
- Optimized **BigTable** access patterns and refactored legacy **C++** services for **2x throughput**
- Designed and implemented **RESTful APIs** to streamline data flow between services
- Spearheaded cross-team quality initiatives and drove successful **production deployment**

PROJECTS

RoundUp for Impact (RuFi) | First Place Winner, HackSC 2024

2024

- Built real-time market analysis with **DAIN**, winning **1st place** among 100+ teams
- Shipped **Next.js** fintech platform using **ZK crypto**, **Polygon API**, and **Anyone Protocol**
- Architected a **frictionless onboarding** flow via **multilingual voice UI** and streamlined **OAuth**

Deno Blocks | Visual Programming Platform, Deno Subhosting Hackathon Overall Winner

2024

- Pioneered no-code **TypeScript** deployment platform using **Fresh** framework and **Deno Subhosting**
- Architected scalable user authentication and persistent storage using **GitHub OAuth** and **Deno KV**
- Recognized by Node.js creator **Ryan Dahl** for technical innovation and developer experience

EDUCATION

California State University, Fullerton

Fullerton, CA

Bachelor of Science in Computer Science

2025

Association for Computing Machinery (ACM), CSU Fullerton

Fullerton, CA

Vice President and Open Source President

2024

- Founded **ACM Open Source**, a student division focused on software engineering, scaling to **100+ contributors**
- Directed weekly workshops and semester-long project teams building core club infrastructure
- Established professional engineering culture (**Git**, **Code Reviews**, **CI/CD**) across **20+ open-source tools**
- Served as **Head of Technology** for FullyHacks, architecting the **Next.js** platform

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Go, C++, HTML, CSS, SQL, Java, Svelte, Angular, RxJS, React, Next.js

Infrastructure & Databases: Node.js, Deno, Docker, Amazon Web Services (AWS), Google Cloud Platform (GCP), Git, PostgreSQL, MongoDB, Redis

Tools & Concepts: Object-Oriented Programming, Data Structures, Algorithms, Scripting, Protobuf, gRPC, OpenAPI, Zod, Drizzle ORM, Relational Databases, Graph Databases, Computer Networks, RDF, SPARQL