

# ETHAN DAVIDSON

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## EXPERIENCE

### Google

Kirkland, WA

Software Engineering Intern

May 2022 – August 2022

- Architected and shipped production features for Google Dataplex UI platform using Angular and RxJS
- Engineered a reactive state configuration system that reduced testing time by 40%
- Implemented comprehensive test coverage and CI/CD pipelines for critical UI components
- Drove technical design reviews and delivered impact presentations to senior engineers

### Google

Remote, CA

Student Training in Engineering Program (STEP) Intern

May 2021 – August 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

### Association for Computing Machinery (ACM), CSU Fullerton

Fullerton, CA

Open Source President

Aug 2020 – May 2024

- Scaled developer community from 0 to 100+ contributors across 20 production open-source tools
- Launched technical accelerator with 10 workshops per semester, driving 15 successful project launches
- Established engineering culture through Git workflows, code reviews, and async collaboration
- Architected full-stack event platform with Next.js, serving 300+ users and multiple sponsor integrations
- Engineered real-time event automation system using Node.js, Discord API, and Digital Ocean
- Drove 100% participant engagement through seamless registration and project submission flows

## PROJECTS

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

Nov 2024

- Built real-time market analysis with DAIN, winning 1st place among 100+ teams
- Shipped Next.js fintech platform using ZK crypto, SingleStore, Polygon API, and Anyone Protocol
- Cut onboarding time 60% via multilingual voice UI and streamlined OAuth flow

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

Jan 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 Deno creator Ryan Dahl for technical innovation and developer experience

## EDUCATION

### California State University, Fullerton

Fullerton, CA

Bachelor of Science in Computer Science

May 2025

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, Go, C++, HTML, CSS, SQL, Shell, Java, MATLAB, BASIC, Processing

**Frameworks/Libraries:** Svelte, Angular, RxJS, Next.js, TensorFlow, HuggingFace, Fresh

**Cloud/DevOps:** Docker, Amazon Web Services (AWS), Google Cloud Platform (GCP), Linux, Nix, Terraform, CI/CD, Git

**Databases/Caching:** Redis, MongoDB, PostgreSQL, BigTable, SingleStore, Deno KV

**Other Tools/Concepts:** Protobuf, RDF, OpenAPI, Zero-Knowledge Systems, Anyone Protocol, Data Structures, Algorithms, Relational Databases, Non-Relational Databases, Graph Databases, Computer Networks