Zian Lin

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EXPERIENCE

Platform Engineer, Partiful MAR. 2026 - PRESENT

- Built the global search feature. Enables users to search through tens of millions of users and events and get back results in a couple hundred milliseconds.
- Drastically cut down third-party vendor costs via optimization of our SMS infrastructure.
- Added profile picture expansion to the app.
- Currently working on increasing eng velocity and safety.

Software Engineer, Sony JAN. 2024 - FEB. 2026

- Developed BACH, a platform for distributing promotional content to over 50 million TVs worldwide. Built with Go, PostgreSQL, Vue, TypeScript.
- Expanded SUMO, Sony's global TV update distributor, to support seven additional TV generations by engineering legacy release notes provisioning.
- Built infrastructure for the above projects using AWS. Integrated with CI/CD pipelines, system health alarms and automated testing stages for reliability.
- Built SSO login with OAuth, AzureAD JWT and AWS Cognito, ensuring seamless auth. across internal apps.

Software Engineer Intern, Sony JULY 2023 - DEC. 2023

- Built in-house URL redirect service with CloudFront, Lambda, and S3 that enabled large-scale data analytics on customer QR code scans worldwide. Integrated with Splunk for big data analysis.
- Created websites w/React for Sony's LinkBuds x Olivia Rodrigo campaign and Spatial Reality Display product.
- Developed and maintained unit and integration tests, strengthening system reliability.

Software Engineer Intern, KSDT OCT. 2021 - SEPT. 2022

- Created web app that allowed users to easily book and schedule rooms in KSDT. Built with React.js, Node.js, Express and MongoDB.
- Streamlined devops by introducing Agile methodologies with tools like Jira and Trello.

EDUCATION

University of California, San Diego SEPT. 2019 - JUNE 2023

- B.S. in Computer Science. Graduated *cum laude* (GPA: **3.85/4.0**).

SELECTED PROJECTS

Labyrinth - Accessible Navigator

- Developed accessible navigation app that converts Google Maps directions into device vibrations for the user. Built due to accessibility concerns with existing navigation apps. Built with Java and Android Studio.
- Winner of IEEE's 'Most Technical' award at their UCSD WI22 project showcase.

Easy Street - Shopping with Visual Discovery

- Built Chrome extension that uses visual discovery to collate together similar products that the user can then filter and sort on price, size, color, and more.
- Used React to develop UI, JavaScript for content scripts, Python for Flask API and AI image processing.

TOOLS

- **Programming Languages:** TypeScript, Go, JavaScript, Python, Java, C++, HTML, CSS, SQL
- **Frameworks/Databases:** React, Vue.js, Node.js, Flask, Firestore, PostgreSQL, MySQL, DynamoDB, MongoDB
- **Tools:** Git, GitHub, AWS, GCP, Docker, Splunk, Linux/UNIX, Aiven/OpenSearch, Linear

SKILLS

- **Skills**: Full-stack software development, infrastructure as code (IaC), system design, CI/CD, unit testing, telemetry, SQL/NoSQL DBs, Agile, data visualization and analysis, AI, networking
- **Languages**: English, Mandarin, French