

Ryan Wong

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EDUCATION

University of California, San Diego

Bachelor of Science in Computer Science

Oct. 2020 – Jun. 2024

San Diego, CA

EXPERIENCE

Lucile

Co-Founder & CTO

Jun. 2025 – Sept. 2026

Oakland, CA

- Architected and shipped Thirteen, a back-office platform used by 3 Bay Area contractors to manage **\$2M+ in contracts**, 7,500+ crew hours, and 770+ receipts.
- Designed its tool-calling agent on the **Vercel AI SDK and Convex**, with **70 permission-scoped tools** that let crews log hours over WhatsApp and contractors draft estimates and invoices.
- Exposed the tool layer through a **remote MCP server with OAuth 2.1** sign-in, so contractors could run Thirteen from Claude or ChatGPT.
- Built an **82-case τ -bench-style harness** against frozen DB snapshots plus 47 Evalite suites, benchmarking **12 models** and reducing agent response time by 30% while preserving pass^k performance.

Sephora

AI Engineer (Contract)

Sept. 2025 – Mar. 2026

San Francisco, CA

- Built a production inventory-intelligence agent over **Databricks** that answers distribution-center executives' questions on inventory health, availability, and risk on demand, reducing manual reporting by **~70%**.
- Indexed 150+ inventory SOPs (Blue Yonder) into a **hybrid BM25 + vector RAG** store, grounding agent responses and generated Databricks SQL in operational procedures and definitions.
- Deployed the agent on Sephora's Databricks cluster, fixing JDBC connectivity and timeout failures against Oracle, and used executive feedback on each answer to tune retrieval and the SQL-generation prompts.

Intuit QuickBooks

Full Stack Software Engineer Intern

Jun. 2023 – Sept. 2023

Mountain View, CA

- Shipped a Desktop-to-Online migration UI in React, Redux, and TypeScript for **1.5M+ QuickBooks users**.
- Built a **Spring Boot** service unifying MySQL and MongoDB migration state, replacing manual cross-DB queries.

Sephora

Software Engineer Intern

Jun. 2022 – Sept. 2022

San Francisco, CA

- Built a **real-time inventory dashboard** in Angular for warehouse staff, backed by Spring Boot REST APIs.
- Secured the inventory APIs against **SQL injection** with parameterized queries and input validation.

PROJECTS

Rodney (QA Agent) | OpenClaw, TypeScript, Convex, Discord

Mar. 2026 – Apr. 2026

- Deployed an **autonomous OpenClaw agent** that audits each Thirteen customer's last 24 hours of WhatsApp messages against recorded timesheets, invoices, and change orders, posting severity-ranked reports to Discord nightly.
- Wrote its **11 read-only tools** over Thirteen's Convex backend and extended it to review the team's pull requests.

Purr | React Native, Expo, FastAPI, WebRTC, OpenAI Realtime

Aug. 2025 – Dec. 2025

- Co-built an AI conversation-practice app with **1,000+ downloads** on the App Store and Google Play.
- Streamed **real-time voice over WebRTC** to a FastAPI server running Deepgram and OpenAI Realtime.
- Built a **parallel evaluation pipeline** where independent content and delivery judges score each session 0–5 stars.

TECHNICAL SKILLS

Languages: TypeScript, Python, Java, SQL

Frameworks: Next.js, React, React Native (Expo), Node.js, FastAPI, Spring Boot

AI: Vercel AI SDK, OpenAI Realtime/Responses APIs, MCP, OpenClaw, RAG, LLM evals (Evalite), Deepgram

Data & Infrastructure: Databricks, Postgres, Convex, Supabase, Docker, Vercel, Railway