

Norman Qian

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PROFESSIONAL EXPERIENCE

Fractal Tech

Software Developer

Brooklyn, NY

June 2024 -Present

- **Rotabull (Aerospace Supplier Sales Platform)**. Built a **Customer Response Suggester** with **Express, Prisma, Postgres, Anthropic API, Zendesk API, Readme API**. Deployed on **AWS Lambda**
 - /suggest endpoint, returns { "suggested_articles": string[], "suggest_response": string } on POST requests
 - Weekly cron job to keep responses up to date with official Rotabull support documentation
 - Responses generated through LLM prompting with support documentation and past ticket data as context
- **Bladefish.io**, online multiplayer browser game. Client built with **React Three Fiber**. Server built with **Websockets, Typescript, NodeJS, and Rapier**. Deployed on **Heroku**.
 - Swim around as a swordfish with WASD keys and hunt sharks by clicking on them. Dash by right clicking.
 - Clients communicate with the server through a **Websockets** connection
 - 3D client assets built and rendered in **React Three Fiber**
 - Game logic handled server side, physics handled with **Rapier**. Includes gravity, velocity, acceleration, collision, magnetism, and light.
- **Maildemo.app**, CRUD app. Built with **React Typescript, Express, Prisma, Postgres, Clerk**. Deployed on **Vercel**.
 - User Authentication, implemented with **Clerk**.
 - CRUD operations. Routing handled with **Express**. **Prisma ORM** on a **Postgres** database
 - Buttons, scrollbars, inputs, views, implemented with **React Typescript**
- **Seekhana.app**, AI web app. **NextJS, Vercel, CloudFlare, Drizzle, SQLite, GPT-4, Claude**. Deployed on **Vercel**.
 - Cache, implemented by saving images to **Cloudflare**, and LLM outputs to **SQLite** with **Drizzle ORM**
 - Sitemap, dynamically generated using **NextJS generateSitemaps()**
 - Metadata, dynamically generated using **NextJS generateMetadata()**
 - Refactored client components into server components to enable Metadata generation
- **Normanqian.com**, portfolio page. **CSS, React, Remix**. Deployed on **Github Pages**.
 - Custom polygons and animations, implemented with vanilla **CSS**.

CS50X

Online course

New York, NY

2023

- CS50X – 12-week Computer Science fundamentals class taught in C. Completed 10 problem sets, wrote various sorting algorithms, and built projects such as image filters and text parsers.

Swim Protocol (Crypto Startup)

Operations Manager

Miami, FL

April 2022 - October 2022

- Funded by **Social Capital, Pantera, Coinbase Ventures, and Solana Ventures**. Built cross chain defi on **Solana**
- Direct report to COO, talked to lawyers and accountants to figure out how to create a US operating entity in order to move employees and payroll from a PEO provider to in house, reducing overhead by 10%

Compd (Fintech startup)

Digital Marketer

New York, NY

September 2019-March 2020

- Raised 200k seed funding and ran leadgen campaign using **Wordpress** and **Adwords**, averaging 200\$ per phone lead

JP Morgan Securities

Sales and Trading Summer Analyst

New York, NY

Summer 2019

EDUCATION & OTHER EXPERIENCE

Baruch College, CUNY

BBA Finance / Graduated with Honors, 2020

Venture For America, Fellow

Miami, FL

Chess Coach (Afterschool Programs and Private Lessons)

New York, NY