

Jiaqi Gu

San Diego, CA U.S. | +1 (708) 654-2381 | [Hotmail](#) | [LinkedIn](#)

EDUCATION

University of California, San Diego

Master of Science (Computer Science and Engineering)

La Jolla, CA U.S.

Sep. 2022 – Mar. 2024

Purdue University

Bachelor of Science (Computer Science - Machine Intelligence)

West Lafayette, IN U.S.

Aug. 2018 – May. 2022

WORK EXPERIENCE

Full-stack Engineer (full-time)

Ocean Deep LLC

Irvine, CA U.S.

Dec. 2024 – Mar. 2025

- Built an AI powered **Next.js** customer serving chatbot by connecting to OpenAI API.
- Stylized the chatbot and gave it a responsive design using **React.js** and Tailwind CSS.
- Established a **MongoDB** database to store frequent customer requests for data analysis.
- Constructed an **Express.js** proxy server and deployed the app on Vercel.

Backend Engineer (full-time)

Seagull Tech LLC

San Diego, CA U.S.

Mar. – Dec. 2024

- Led the project of building a **Node.js** Discord bot which helps manage the company's guild activities such as ordering, gifting, etc.
- Designed memory friendly schemas (a roughly **10%** space improvement) while meeting business needs on **LucidChart**.
- Deployed the schemas in **MongoDB** via mongoose and connected the bot to it.
- Created real-time **24/7** event listener using cron for the monitoring of specific activities and enabled the bot to give out desired responses.

Data Engineer (intern)

PwC HongKong and China Mainland

Shanghai, China

Jul. – Sep. 2023

- Built **Python** scripts to collect business data from staff PC before system reset.
- Stored the collected data to the company's **Azure** data warehouse.
- Refined another Python script to update data collection history in the form of **pandas** DataFrame which is about **50%** faster.

PROJECTS

YouTube Video Downloader

Dec. 2024 – Feb. 2025

- Built a **Next.js** web app which allows users to download videos from YouTube.
- Stylized the app and gave it a responsive design using **React.js** and Tailwind CSS.
- Constructed an **Express.js** server and deployed the app on Vercel.

Discord Music Bot

May. – Jul. 2024

- Built a **Node.js** Discord music bot that can play songs, playlists, and albums.
- Established connection with Spotify Developer API for track info fetching.
- Artificed multithreading using maps to manage connections, stream players, etc on different servers, which levitated connection and streaming speed by roughly **22%**.
- Deployed the bot on **Heroku** using process management tool pm2 for **24/7** service.

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Python

Frameworks: React.js, Node.js, Next.js, Express.js, Pandas, Discord.js

Databases: MySQL, MongoDB, NoSQL, Azure SQL, IndexedDB

DevOps: GitHub Actions, pm2, Heroku, Vercel, Netlify