

Yufei Ma

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EXPERIENCE

Software Developer

Lex Software

February 2021 - May 2021, Fishers, IN (Remote)

- Led development of internal utilities which closely integrated with the Discord API.
- Oversaw a ground-up restructuring of backend codebase with a team of two other developers, reducing the size of the codebase by 20% and improving reliability.
- Developed experience with Python, Node.js and REST APIs and collaborating in an agile software development environment.

Product Associate

Cardbrokers LLC

May 2021 - August 2022, Mineral Wells, WV (Remote)

- Educated customers in the technologies and measures most commonly used by industry leaders for anti-fraud and anti-bot solutions, and developed solutions through independent research and reverse engineering.
- Led a 6-person technical team in optimizing high-performance web automation tools, achieving high uptime processing over 8,000 requests per minute.
- Established customer service protocols and resolved complex technical issues for 45+ clients with a >97% resolution rate and documenting best practices for future internal use.

PROJECTS

Moody Melodies

UCSD CSE110 • github.com/nqrwhal/CSE-110-Moody-Melodies • September 2024 - December 2024

- Developed a React based web app with 6 teammates to provide music recommendations and manage a music library.
- Integrated MongoDB and Google Gemini API for the backend database and recommendation engine.
- Oversaw multiple key features and utilized an agile work environment for development.
- Utilized Git, Typescript, Express, React, and the OpenAI SDK.

EDUCATION

Bachelor of Science, Major in Computer Engineering

Minor in Cognitive Science • University of California, San Diego • La Jolla, CA • 2025

- Expected Graduation December 2025
- University of California Regents Scholarship.

COURSEWORK

Software Engineering

UCSD • 2024 • Typescript, React, Git, NodeJS, Agile

Design and Analysis of Algorithms

UCSD • 2024 • C, C++, x86 Assembly

Advanced Data Structures

2024

Engineering Probability and Statistics

UCSD • 2024

Algorithm Design and Analysis

2024

SKILLS

Programming Languages: Python, Node.js Typescript, Javascript, Java, C, C++

Technical Skills: Git, Bash, Vim, Linux, Rest API, Pandas, Pytorch, LLM Prompt Engineering, Microsoft Office