

Alan Xiao

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Computer Science Junior at the University of Michigan College of Engineering with five years of programming and system administration experience. Full stack developer more experienced in back-end design and development. Independently developed two projects with a combined user base of more than 35,000.

Skills

LLMs, H2O GPT, ChatGPT, Vector Databases, LanceDB, Pinecone DB, Cloud Service Management, AWS Cloud, Google Cloud, Server Management, Self-Hosting, Ubuntu, Arch, BlackArch, REST APIs, OpenAI API, Twitter API, Discord API, Git, Docker, systemd, nginx, GitHub Actions, GitLab CI/CD, DNS Management, MySQL, MongoDB, JetBrains IDEs, Java, Python, C++, SQL, React, Next.JS, ChakraUI, Chrome Extensions

Work Experience

Desai Accelerator- *Software Developer*

May, 2024

- Redesigned Verbalista's website in NextJS with multilingual support via linguist as well as server routing users to their primary locale on website load.
- Implemented X-Ray Commerce's new chrome extension prototype using React and ChakraUI as well as guiding user flow design for UI/UX developers.
- Guided the design and development of the California Climate Exchange's AI diagnostic tool to enhance the customer sales cycle.

neke-neke- *Software Consultant*

May, 2023

- Pioneered an internal training software for Hannover Rück, one of the largest reinsurers worldwide, using AWS serverless infrastructure to automate the conversion of text to audio.
- Spearheaded a data extraction tool for a CT/MRI institution to enhance their workflow by transforming paper forms to structured data with an in-house trained LLM model.
- Designed and developed an automaton to simplify the US tax processing of the Biogen Group with the Shopware and Avalara APIs, saving 20 man-hours of work monthly.
- Developed an in-house product, Bionary, that helps users improve their lifestyle habits as well as scheduling appointments to measure their bone density and other health data via the eTermin API.

Projects

Discord Bot- *Team Director*

July, 2021 - February, 2023

- Designed and developed a public-facing Discord bot in Java using JDA, DropBox SDK, and Twitter4J that allowed users to plan their activities as well as keeping them updated on important announcements from a Twitter page
- Engaged with the customer throughout the requirements capture and development process in order to ensure that the final product would be as imagined
- Monitored service during critical time periods, providing around the clock support
- Published and maintained product, providing service to more than 20,000 users worldwide

Education

University of Michigan-Ann Arbor - *Computer Science BSE*

Expected May, 2025

Relevant Coursework: Data Structures and Algorithms, Introduction to Data Science, Foundations of Computer Science, Discrete Math, Linear Algebra, Organizational Management and Leadership of Startups, Entrepreneurial Marketing, Technical Communications.