

CHENCE SHI

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EDUCATION

California State University, Fullerton

BS Computer Science *GPA: 3.89/4.0*

Fullerton, CA

08/2019 - 12/2024

- Pursuing a comprehensive curriculum in computer science, with a strong emphasis on software.
- relevant coursework in data structures and algorithms, software engineering, object-oriented programming, operating systems, databases, computer networks, and machine learning.

SKILLS

Programming Language:	C/C++, Python, Go, Javascript, Typescript, SQL, Java, HTML, CSS, Bash
Framework:	Node.js, Next.js, Flask, Chi, React, Express.js, Pytorch, Tensorflow, MySQL, PostgreSQL, MongoDB
Tools:	Git, Docker, AWS, Microsoft Office, Jira, VS Code, Notion, Google, ChatGPT
Environment:	Linux, Windows, Mac OS
Languages:	English, Mandarin

WORK EXPERIENCE

Tutor.com

Tutor

Remote

05/2023 - present

- Provided tailored software engineering tutoring sessions to students, delivering in-depth instruction on core concepts, programming languages, debugging methodologies, and effective problem-solving strategies.
- Mentored and guided students to achieve notable academic progress in computer science principles, leading to enhanced grades and heightened self-assurance in their abilities.

California State University, Fullerton

Research Assistant

Fullerton, CA

08/2023 - present

- Conducted comprehensive literature reviews to identify and analyze relevant research papers and studies in the field of medical chatbots and large language model fine-tuning, providing valuable insights for the development of cutting-edge healthcare technologies at California State University, Fullerton.
- Contributed to the development and refinement of an open-source large language model specifically designed for medical chatbot applications at California State University, Fullerton. Conducted data preprocessing, model training, and evaluation to enhance chatbot performance in medical conversations, resulting in significant improvements in accuracy and user satisfaction.

PROJECTS

Microtemplate *Go, Docker, Postgres, RabbitMQ, gRPC* <https://github.com/fLexsooP/go-microservice>

- Developed the microservice template, a robust and scalable web application template built using Go, Docker, PostgreSQL, RabbitMQ, MongoDB, and gRPC. Implemented the microservice architecture to ensure rapid and reliable delivery of the application.
- Designed and developed self-contained microservices that are loosely coupled and focused on specific business capabilities. This approach promotes maintainability and testability while allowing for independent deployment.

Rawtter *React, Next.js, Typescript, Tailwind CSS, MongoDB*

<https://github.com/fLexsooP/rawtter>

- Developed Rawtter, a dynamic and user-friendly social media website utilizing React, Next.js, Typescript, Tailwind CSS, and MongoDB.
- Integrated essential features such as user authentication, post creation, follow functionality, comments, and notifications. Implemented custom RESTful APIs and incorporated JSON token-based authentication through NextAuth to ensure secure user interactions.

Chatroom *Python, Flask, SocketIO, HTML, CSS*

<https://github.com/fLexsooP/chatroom>

- Created Chatroom, a dynamic and seamless real-time chat room system using Python, Flask, and SocketIO. Implemented real-time messaging functionality, allowing users to chat without refreshing the page.
- Enhanced user experience by incorporating multiple chat rooms and user status indicators, resulting in improved communication and collaboration among users.