Yinjian Chen

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EDUCATION

Carleton University   Ottawa, Canada
Master of Engineering - Software Engineering Practice; GPA: 10.6 / 12.0   Sep 2024 - May 2026

Fujian Agriculture and Forestry University   China
Bachelor - Electronic and Information Engineering; GPA 3.5/4.0   Sep 2013 - Jun 2017

WORK EXPERIENCE

Shenzhen Aisi Software Technology Co., Ltd.   Shenzhen, China
Backend Engineer   Apr 2023 – Jul 2024

- Designed and developed an AI translation platform for internal use, facilitating the localization of the company's products. This platform replaced external vendors with an LLM solution, saving at least 20k CAD annually.
- Conducted research on language translation using LLM and RAG to enhance translation accuracy. Achieved up to 90% human translation quality in French and German, as evaluated by internal language specialists.
- The AI translation platform was developed by a full-stack solution using Next.js, Node.js, and AWS infrastructure, integrating the vector database Pinecone to leverage existing translation memories.
- Maintained user/payment services (Python, Node.js), optimized customer management system features, and collaborated with tech support and marketing teams to address customer issues effectively.

Shenzhen Qutui Science & Technology Co., Ltd   Shenzhen, China
Backend Development Engineer   Jun 2021 – Aug 2022

- Led one engineer and coordinated with 5 teams (11 members) to develop and integrate a back-end video rendering service Node.js, Go, RabbitMQ supporting at least 4 company video-generation products.
- Authored a comprehensive tech guide for the video rendering service, improving cross-team collaboration, earning a top performance review (1st of 14) in the back-end team (April 2022).
- Served as core back-end developer of the picture & text to video generation product Flash Cut, delivering REST and WebSocket APIs for mobile and front-end clients, enabling cross-platform functionality.

Shenzhen Qutui Science & Technology Co., Ltd   Shenzhen, China
iOS Development Engineer   Mar 2019 – May 2021

- Led 3 iOS engineers to develop a major version update for Doupai and coordinated with the engine team to integrate client-side video rendering engine and develop iOS video editing features.
- Developed an iOS service registration library to enable modular architectures across multiple projects.

4399 Network Co., Ltd.   Xiamen, China
iOS Development Intern | Engineer   Feb 2017 – Jan 2019

SKILLS

Languages: Python, Typescript, Javascript, Go, Objective-C, Swift, HTML, CSS, Shell, SQL
Web Development: Node.js, React.js, Next.js, Nest.js, Koa.js, ES6
Tools and Technologies: Git, Linux, MongoDB, Redis, AWS, Docker, LLM, RabbitMQ, MySQL