Yinjian Chen

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EDUCATION

Carleton University   Ottawa, Canada
Master of Software Engineering Practice   Expected May 2026
Fujian Agriculture and Forest University   China
Bachelor of Electronic Information Engineering   2017

WORK EXPERIENCE

Xmind   Shenzhen, China
Backend Engineer   Apr 2023 – Jul 2024
- Built a translation platform solely using LLM, Next.js, AWS, cutting external translation costs by CAD 20k/year.
- Achieved 90% human translation quality (French, German) via RAG-based improvements, validated by in-house language experts.
- Optimized user/payment services (Python, Node.js) features and collaborating across teams.

Shenzhen Qutui Science Technology Co., Ltd   Shenzhen, China
Backend Development Engineer   Jun 2021 – Aug 2022
- Led 1 engineer to develop a cloud video rendering service (Node.js, Go, RabbitMQ) and coordinated with 5 teams (11 members) to support for more than 4 products integration.
- Authored a technical guide that improved cross-team collaboration; received top monthly performance rating (1st of 14).
- Migrated a rendering engine from a single machine to scalable GPU servers, boosting rendering speed by 3× and simplifying deployment.
- Optimized rendering tasks scheduled within cron jobs by designing a Redis-based caching strategy, reducing rendering costs by 50%.
- Delivered REST and WebSocket APIs for a text-to-video generation product, collaborating with 3 teams on integration and testing to enable seamless mobile and front-end functionality

iOS Development Engineer   Mar 2019 – May 2021
- Led 3 iOS developers to deliver major version updates, integrating video rendering engine new features.
- Developed an iOS module registration library to support modular architectures across multiple projects.

4399 Network Co., Ltd   Xiamen, China
iOS Development Engineer   Jul 2017 – Jan 2019
- Drove evaluation and adoption of a new iOS tech stack (RxSwift, MVVM, modularization) by developing libraries and documentation that enabled team integration in new projects.
iOS Development Intern   Feb 2017 – Jun 2017
- Supported iOS team in a video streaming app feature development, bug fixes, and testing.

SKILLS

Languages: Typescript, JavaScript, Python, Go, HTML, CSS, Objective-C, Swift, Shell, SQL
Full Stack Development: Node.js, React.js, Next.js, Nest.js, Koa.js, Express.js, Ionic, RESTful APIs, Web sockets
Tools and Technologies: Git, Linux, AWS (S3, EC2, CloudWatch), Docker, MongoDB, Redis, MySQL, CI/CD, RabbitMQ