Yinyi Feng

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EDUCATION

New York University Tandon School of Engineering — Brooklyn, NY
Bachelor of Science in Computer Science   Graduated May 2025
Relevant Coursework: Data Structures & Algorithms, Software Engineering, Databases, Machine Learning, Computer Networking, Operating Systems, Computer Security

EXPERIENCE

Way Fong LLC — Glendale, NY
Developer   July 2025 – Present

- Architect and implement RESTful APIs and microservices using Node.js and PostgreSQL, with Swagger/OpenAPI documentation, enabling real-time inventory management, production monitoring, and system health dashboards.
- Develop 3 responsive web applications using React, Astro, and Svelte, including drag-and-drop platforms, CMS integrations, and an employee self-evaluation program.
- Build and deploy mobile app features using React Native, supporting 11 field sales reps with customer mapping, real-time data synchronization, and filtering tools to identify existing, inactive, and prospect customers.
- Execute database migration from Oracle to PostgreSQL, transferring 400+ tables and millions of rows with multilingual encoding support (English, Spanish, Chinese).
- Modernize 10+ year old legacy VB6 business logic systems to Node.js, maintaining complex calculation workflows while improving maintainability and performance.
- Implement Docker containerization for 10+ services, streamlining deployment pipelines and improving collaboration across a small dev team.
- Lead RPI capstone teams as client stakeholder, providing requirements and feedback to guide product catalog website redesign and backend API development with AWS S3 integration.
- Leverage AI-assisted development tools (Claude, GitHub Copilot) to accelerate coding workflows, conduct code reviews, debug complex issues, and generate comprehensive technical documentation following best practices.

PROJECTS

Watchmark — Browser Extension for Video Progress Tracking
- Cross-browser extension that tracks video playback progress across any website. Built with JavaScript and browser extension APIs, featuring local storage persistence and clean UI.

Senior Software Engineering Project — NYU Capstone
- Full-cycle team software project applying Agile methodologies, cloud deployment, CI/CD pipelines, version control, and comprehensive technical documentation.

Soar on Cloud 9 — Database Design & Web Application
- Airline reservation system with MySQL database, Flask/React/Node.js stack, role-based access control, and real-time flight status updates.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, SQL, HTML/CSS, C++
Frontend: React, React Native, Astro, Svelte, Tailwind CSS, Bootstrap
Backend: Node.js, Express, Flask, REST APIs, Microservices Architecture
Databases: PostgreSQL, MySQL, Oracle, MongoDB
Tools & Platforms: Git, Docker, Jira, Claude AI, GitHub Copilot, Storyblok CMS, Netlify