

Jie-Ting Jiang

jting.jiang@gmail.com • <https://jtingjiang.com/> • <https://github.com/TimJJTing>

Summary

Senior Software Engineer specializing in data-intensive applications. I transform complex datasets into intuitive tools, backed by 6+ years of building large-scale BI systems and 3D visualization platforms. From Python / Django-powered APIs to SvelteKit / React / Next.js with Three.js / D3.js frontends, I architect end-to-end solutions that empower 30+ departments to make data-driven decisions. Currently focused on the intersection of AI-assisted engineering and high-performance data visualization.

Experience

Frontend Engineer

September 2025 - Present

Pay Web Dev, Line Pay

Taipei, Taiwan

Cross-Framework Migration & AI Tooling

- Led full migration of the Insurance Platform from SvelteKit to Next.js; designed AI-powered code review workflows and spec-driven development processes that cut estimated migration effort by ~70%.
- Introduced AI-assisted development practices (agents, MCPs, prompt workflows) across the engineering team, reducing repetitive tasks and accelerating feature delivery.

Line Pay Finance Platform

- Modernize and maintain the Finance Platform, improving long-term stability, performance, and developer experience across the stack.

Senior Business Intelligence Engineer

October 2022 - August 2025

Data Office, Gogoro

Taipei, Taiwan

Business Intelligence Platform & Data Visualization

- Built and scaled a BI platform adopted by 30+ departments, making decision science accessible org-wide — from self-serve dashboards to advanced exploratory tools.
- Designed a 3D customer exploration tool (Three.js + Svelte) for querying and visualizing 1M+ records, optimized to run smoothly on average hardware; built a parallel asset management app for 1M+ battery assets.

Platform & Developer Experience

- Designed a standardized API framework for data-intensive applications with data engineers, enabling rapid development of exploratory analysis and decision science tools.
- Built shared component libraries (UI, charts, maps) in React and Svelte with designers, accelerating app development and ensuring visual consistency across the platform.

Data Visualization Engineer

March 2019 - September 2022

Network Excellence, Gogoro Network

Taipei, Taiwan

Executive Dashboards & Geospatial Analysis

- Built full-stack visualization solutions for executives to monitor 2,500+ GoStations with regional and temporal drill-downs (daily/weekly/monthly).
- Developed an automated geospatial analysis tool with data analysts that cut GoStation site assessment from days to seconds — a 95% reduction in decision turnaround.

Architecture Modernization

- Rearchitected a monolithic decision support system into Python-based APIs and microservices, enabling data scientists to ship business logic directly without translation delays — improving debugging, testing, and deployment flexibility.

Education

Johannes Kepler Universität Linz

Linz, Austria

Master of Science in Informatics

2015-2017

Internship: IT Department, SKF Group, Steyr, Austria

Relevant coursework: Data Visualization, Data Analysis, Machine Learning

National Sun Yat-Sen University

Kaohsiung, Taiwan

Master of Business Administration in Information Management

2014-2018

Bachelor of Science in Computer Science

2010-2014

Relevant coursework: Database Management, MIS, Data Structure, Computer Architectures, Algorithm, Computer Graphics

Skills

Programming Languages / Frameworks: Python, JavaScript, C++, SQL, Golang, Django, React, Svelte, Node.js, Express.js

Data Visualization: D3.js, Three.js, Deck.gl, Google Maps JS API, Mapbox GL JS

DevOps: GitLab CI, Docker, Kubernetes

Language Skills: English (Full Professional Proficiency), Mandarin Chinese (Native), Taiwanese (Native), Deutsch (Niveau B1)

Interests/Hobbies: Infographics, Visual Journalism, Data Humanism, New Media Arts, Specialty Coffee