

Jefferson Lim

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Professional Experience

Loop, Fullstack Software Engineer, Chicago, IL Nov 2025 - Present

- Using full-stack AI, Loop unifies shipment and tracking data so logistics teams operate with clarity and efficiency.

RWE Supply & Trading, Analyst & Software Engineer, Chicago, IL Sep 2024 - Oct 2025

- Led development of an org-wide data quality monitoring platform on Azure DevOps + AWS microservices covering 300+ business-critical data pipelines, improving reliability, visibility and maintainability of data flows
- Created ML models, commercial trading strategies and analysis across renewables, batteries and US gas & power
- Implemented grid solving algorithms focusing on ERCOT, PJM and SPP markets, used across trading desks
- Built scalable, distributed data pipelines on Databricks and optimized SQL & Spark queries, reducing critical market data processing from minutes to seconds across 1,000+ critical front-office market data pipelines

Pebblely, AI + Software Engineer, Singapore Jan - Jul 2024

- Built VTON models in Python with Stable Diffusion for Gen AI fashion and product photography app
- Implemented queueing system with RabbitMQ and AWS Lambdas to handle distributed batch processing
- Revamped Vue frontend to better support mobile-friendly canvas editing and batch generation feature

Singapore Economic Development Board, Software Engineer Intern, Singapore May - Aug 2023

- Led development on Typescript library for organization-wide Design System, reducing 50% off development time across 3 cross-functional projects involving designers and engineers
- Implemented automated regression tests for frontend components with Playwright, achieving 99% coverage

Publications

Zhu Zicheng, Tianqi Song, [Jefferson Lim](#), Chi-Lan Yang and Yi-Chieh Lee, "Exploring the Effects of Shared Similarity on Human Willingness to Seek Social Support from LLM Chatbots", presented ICLR 2025 Singapore and CHI 2025 Yokohama

Education

National University of Singapore | B.Comp Computer Science, Honours (Distinction) 2020 - 2024

Selected Courses: NLP, Machine Learning, Information Retrieval, Generative AI, Big Data Systems

University of Southern California | Exchange Program (awarded NUS Exchange Scholarship) Fall Semester 2022

Champion, Product@SC Fall 22 Case Competition | Photojournalist, Annenberg Media

Technical Projects

Playces | Cofounder + Tech Lead 2024 - Present

Transforming underutilized spaces in Singapore into vibrant third spaces — serving over 100 communities

Dark Pool | Quant Engineer 2024

Implemented a synthetic dark pool in Python focusing on routing and systematic trade execution strategies

First runner up @ Bank of America Code to Connect Hackathon APAC 2024

Goodhub SEA | Founding Fullstack Developer 2023 - 2024

Building a community of tech experts and enthusiasts throughout Southeast Asia who wield tech for good

Buimatix | Fullstack Developer 2023

Using computer vision to reduce embodied carbon for more sustainable developments

Champion @ NUS N-novate Challenge Hackathon, Top 8 National Finalist @ SDG Open Hack Singapore 2023

Leadership

Solve@NUS, Founder & Tech Lead 2024

Founder of 100+ member club to create and solve esoteric puzzles. Organized and built first NUS Orientation hunt

Skills + Tools

Web React, Svelte, Typescript, Webpack, Tailwind CSS, AWS, Docker, Terraform, Azure DevOps, FastAPI

AI/ML + SWE Databricks, PyTorch, Spark, SQL, MCP, RAG, GCP, C#, .NET, Java, Claude Code & Codex user

Product Design UI/UX Design, Process Facilitation, Figma, SEO, Agile

Certifications Google Professional Machine Learning Engineer, Bloomberg Market Concepts, Options Strategies