Linh Tran

About me

- Generalist, adaptive
- AI-assisted software development, backed by a solid foundation in software engineering
- I believe AI will transform software engineering in a positive way, open up endless new opportunities that needs to be filled
- Current interest:
  - Research: Improving open-source AI models on agentic SWE tasks
  - Engineering: Build tools that leverage SOTA models' capabilities - e.g: Sonnet 3.7 for a better AI-assisted SWE experience

Experience

Jan 2024 - Jan 2025

Lead engineer - Rikkeisoft, Vietnam

Out-sourced projects

UJET

- Lead a team of 5 to develop features for the client product - contact center as a service

Jan - Dec 2023

Lead engineer - Sotatek, Vietnam

Out-sourced projects

The Cardano Foundation project

- Large scale firearm identity matching system through processing 3D scans of bullets' toolmarks, trained on open **NBTRD dataset**
- Transform search time from minutes to seconds by replacing open-sourced R engine with Java implementation, utilizing **HNSW** for fast vector search
- Derive from open-source algorithms (e.g **CMC**, **CMS**) a model that converts 3D scans into searchable vector embeddings

Devexa project

- AI chatbot for customer care and sales in finance services
- Join the client team as a backend developer

Jan - Dec 2022

Senior software engineer - Garena (Sea group)

Largest mobile game company in Southeast Asia.

Build high-performance backend for event sites of leading games (i.e **League of Legends**, **Arena of Valor**), serving millions of gamers concurrently

Jan - Oct 2021   **Self-employed** - XSeed cloud gaming

Cloud gaming service utilizing kernel-based virtual machines and NVIDIA vGPU as game server, customized open-source **Moonlight** as clients

Jan 2018 -   **Software engineer** - Pique AI (now part of **MoMo** - largest mobile wallet in Viet-
Dec 2020   nam)

Start-up providing AI recommendation service for small-medium enterprises. The AI agent can read, see, hear and understand user behavior and recommend relevant product/services. It all started with a **paper**

- This is my first official work - started while studying, convinced by a promising start-up story.
- We worked in a small team, rotating responsibilities on software engineering as well as data science
- Highlight projects:
  - Music recommendation (audio content based) for NCT - 2nd largest digital music provider in Vietnam
  - Dating recommendation (visual content based) for a Japanese client
  - Luxurious jewelry recommendation (text-visual hybrid content) for **Glamira**
- My highlight contribution: Doubled the performance of our recommendation API, by optimizing k-nearest-neighbor classifier (**Spotify's open-source pr #387**)

Education

2012-2019   **Computer Science** - Hanoi University of Science and Technology, Vietnam

                    Thesis: Learned video compression for game streaming application

2015-2016   **Erasmus Scholarship Exchange** - Uppsala University, Sweden

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