Pakin Puttanukulchai

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Education

Chulalongkorn University | B.Eng. | Computer Engineering   2021 – 2025
GPA: 3.89/4.0
- Contributed to **Thinc.**, a student-driven community known for tackling social impact projects with intentionally overengineered and ambitious solutions.
- 1st place, Algorithm Design class (2022)
- 1st place, Programming Methodology class (2022)
- 3rd place, Software Engineering II class (2023)

Technical Skills

- **Languages**: **Go**, **TypeScript**, **Python**, Rust, Gleam, Scala, Java, C/C++.
- **Frameworks/Libraries**: **React**, **Fiber**, **Gin**, Vue, Tailwind CSS, FastAPI, LangChain
- **Tools**: Linux, Shell, NeoVim, Helix, Git, GitHub, GitLab.

Work Experience

LINE MAN Wongnai | Back End Engineer
- **01/2025 - 05/2025, Part-Time Contract**: Contributed to the Fleet Boss team by developing a new service and designing business logic for upcoming features, as well as creating a CI pipeline extension tool to detect and report flaky tests.
- **05/2024 - 07/2024, Internship**: Contributed to the Fleet Chimmy team by maintaining and optimizing existing microservices, and developing internal tools to improve service monitoring, tracing, and overall performance visibility.
- **05/2023 - 07/2023, Internship**: Contributed to the lm-search team by developing and maintaining Golang-based microservices (BFF and Data Merger), assisting in debugging and performance optimization, and enhancing platform functionality and user experience.

Project

AI-Powered Legal Question-Answering System | Capstone Project | 2025
- Utilized state-of-the-art LLMs and Retrieval-Augmented Generation (RAG) techniques to build an AI system capable of accurately answering law-related questions within a specific domain.
- Developed a data pipeline to transform PDFs and raw text files into structured and organized data suitable for storage in vector databases and search engines.
- Designed and implemented a custom RAG system in LangChain, blending best-practice retrieval methods with project-specific optimizations to improve the accuracy of data segment retrieval and LLM input preparation.

myCourseVille Alpha | 2024 - 2025
- Contributed as a backend developer to a project focused on overhauling the platform using modern technology stacks.
- Led efforts to migrate a Drupal-based PHP website into a modernized monolithic Golang API server, improving scalability and maintainability.
- Developed internal tools, core libraries, and project structure improvements to enhance developer productivity and codebase maintainability.