Chen Xiang 陳想

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Education

The University of Hong Kong   Hong Kong
Master of Science in Computer Science   *Sep. 2025 – Present*
- Relevant Coursework: Quantum Computing, Data Mining, Algorithmic Trading, Unmmaned Systems

Bachelor of Engineering in Computer Science   *Sep. 2021 – June 2025*
- First Class Honours, Dean's Honours List (2021-2022)
- Relevant Coursework: Machine Learning, Computer Vision, Operating Systems, Object-Oriented Programming, Data Science, Software Engineering, Algorithm Design, Databases, Network Communications, Natural Language Processing, Deep Learning

Experience

The University of Hong Kong   Hong Kong
Research Assistant II   *Jun 2025 – Present*
- Development of Legal AI tools for teaching and learning purposes with the Law and Technology Centre at HKU
- Processed raw documents and built a relational semantic database for Hong Kong legal documents including articles, legislations, and judgments to facilitate efficient information retrieval for Retrieval Augmented Large Language Models in legal applications.

Student Research Assistant   *Jun 2023 – May 2024, Sep 2024 – May 2025*
- Designed and tought multiple hands-on workshops on AI projects at the Innovation Wing at HKU. Including creating custom chatbots with Azure services, and building multi-modal Retrieval Augmented Generation (RAG) applications, etc.
- Worked on multiple student lead AI projects, including CLIC-Search: a semantic search engine for the Community Legal Information Center; AI Historian Assistant: a multi-modal history research assistant; etc.

iFLYTEK Co., Ltd.   Shenzhen
Assistant Software Development Engineer   *June 2024 – Aug 2024*
- Involved in the development of AI English speaking tutor and AI picture book companion Large Language Model (LLM) solution in the education product line.
- Developed and maintained the application pipelines using *Node-RED* for custom needs based on requirements.
- Automated data engineering procedures for model fine-tuning using *Python* scripts and optimized the prompt tuning process using tools such as *promptfoo*.

Projects

CLIC-Chats | *Next.js, Prisma, MS-SQL, Azure, LLM, RAG*   *Jul 2025 – Present*
- Developed a full-stack web application using with Next.js and Prisma to build a chatbot for Hong Kong legal document Q&A.
- Processed raw legislations/judgments/articles and built a relational database for Hong Kong legal by parsing and cleaning various data sources in different formats.
- Built a search index (vector + keyword) on *Azure AI Search* by semantically chunking and embedding the documents.
- Implemented a Retrieval Augmented Generation (RAG) pipeline featuring hybrid retrieval, relationship extraction, and reranking to retrieve relevant documents and generate accurate responses using Large Language Models (LLMs)

CU-Campus | *React, React Router, Tailwind CSS, Vite, i18n*   *May 2024 – Oct 2024*
- CU Campus is a course review and calendar scheduling platform for CUHK students. It also integrates other campus feature aiming to be the one-stop campus information site for CUHK students.
- Involved in planning, design, development and iterations of the platform.
- Frontend development using *React* and *Tailwind CSS*, with tri-lingual support using *i18n*.

See more at: **cxiang.site/project**

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, HTML/CSS
Frameworks: React, Node.js, Next.js, Flask, FastAPI, Tailwind CSS, Prisma, MongoDB, Vue.js, Chrome Extensions
Developer Tools: Git, Docker, Linux, Azure, Postman, OpenAI API, Vercel, Clerk
Libraries: Pandas, NumPy, Matplotlib, PyTorch, Scikit-learn, LangChain, BeautifulSoup, Selenium, Node-RED