

Chen Xiang 陳想

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Education

The University of Hong Kong

Master of Science in Computer Science

Hong Kong

Sep. 2025 – Present

- Relevant Coursework: Quantum Computing, Data Mining, Algorithmic Trading, Unmanned 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 taught 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