

Chen Xiang 陳想

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Education

The University of Hong Kong	Hong Kong
<i>Master of Science in Computer Science</i>	Sep. 2025 – Present
• Relevant Coursework: Quantum Computing, Data Mining, Algorithmic Trading, Unmanned Systems	
<i>Bachelor of Engineering in Computer Science</i>	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
<i>Research Assistant II</i>	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.	
<i>Student Research Assistant</i>	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 <u>custom chatbots</u> with Azure services, and building multi-modal Retrieval Augmented Generation (RAG) applications, etc.	
• Worked on multiple student lead AI projects, including <u>CLIC-Search</u> : a semantic search engine for the Community Legal Information Center; <u>AI Historian Assistant</u> : a multi-modal history research assistant; etc.	

iFLYTEK Co., Ltd.	Shenzhen
<i>Assistant Software Development Engineer</i>	June 2024 – Aug 2024
• Involved in the agile 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 processes using tools like <u>promptfoo</u> .	

Projects

CLIC-Chats Next.js, Prisma, MS-SQL, Azure, LLM, RAG	Jul 2025 – Present
• Developed a full-stack AI agent web application using Next.js and Prisma for Hong Kong legal document Q&A.	
• Processed raw legislations/judgments/articles and built a relational database in MS-SQL 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.	
• Developed application frontend using React, tri-lingual support using <u>i18n</u> , and integrated with backend RESTful services.	

See more at: xiang.site/project

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, HTML/CSS

Frameworks: React, Node.js, Next.js, Flask, FastAPI, Tailwind CSS, Prisma, Vue.js, Chrome Extensions

Databases: MS-SQL, MongoDB, PostgreSQL, MySQL, ChromaDB

Developer Tools: Git, Docker, Linux, Azure, AWS, Postman, OpenAI API, Vercel, Clerk, Dify

Libraries: Pandas, NumPy, Matplotlib, PyTorch, Scikit-learn, LangChain, BeautifulSoup, Selenium, Node-RED