

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 – Jun 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>	Jul 2025 – Present
• Developing Legal AI tools in collaboration with the Law and Technology Centre, HKU, to support teaching and learning initiatives at HKU Law School.	
• Processed and structured raw Hong Kong legal documents for context engineering, building a relational semantic database to enable efficient information retrieval in Agentic Retrieval-Augmented Large Language Model legal applications.	
<i>Student Research Assistant</i>	Jun 2023 – May 2024, Sep 2024 – Jul 2025
• Designed and led multiple hands-on AI workshops at the Innovation Wing, HKU, covering topics such as building <u>custom chatbots</u> using Azure services and developing multi-modal Retrieval-Augmented Generation (RAG) applications with layout detection for document understanding.	
• Collaborated on student-led AI projects, including <u>CLIC-Search</u> : a semantic search engine for the Community Legal Information Center, and <u>AI Historian Assistant</u> : a multi-modal history research assistant.	
iFLYTEK Co., Ltd.	Shenzhen
<i>Assistant Software Development Engineer</i>	Jun 2024 – Aug 2024
• Contributed to the agile development of AI English-speaking tutor and AI picture book companion LLM solutions within the education product line.	
• Developed and maintained application pipelines using <i>Node-RED</i> to support customized feature requirements.	
• Automated data engineering workflows for model fine-tuning with <i>Python</i> scripts and optimized prompt tuning processes using tools such as <i>promptfoo</i> .	

Projects

CLIC-Chats <i>Next.js, Prisma, MS-SQL, Azure, LLM, RAG</i>	Jul 2025 – Present
• Developed a full-stack AI agent web application for Hong Kong legal document Q&A using <i>Next.js</i> and <i>Prisma</i> .	
• Processed and extracted information from raw Hong Kong legal documents (legislation, judgments, and articles) by parsing and cleaning diverse data sources, and built a relational database in <i>MS-SQL</i> .	
• Created a hybrid search index (vector + keyword) on <i>Azure AI Search</i> by semantically chunking and embedding legal documents.	
• Implemented a Retrieval-Augmented Generation (RAG) pipeline featuring hybrid retrieval, relationship extraction, and reranking to improve document relevance and generate accurate responses using Large Language Models (LLMs).	

CU-Campus <i>React, React Router, Tailwind CSS, Vite, i18n</i>	May 2024 – Oct 2024
• CU Campus is a course review and calendar scheduling platform for CUHK students, seamlessly integrating multiple campus utilities to create a comprehensive one-stop information portal.	
• Actively participated in UX design, feature planning, and iterative development cycles.	
• Engineered the frontend using <i>React</i> , tri-lingual localization with <i>i18n</i> , and integrated with backend RESTful APIs.	

See more at: cxiang.site/project

Technical Skills

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

Frameworks: 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, AI SDK, Clerk, Node-RED, Dify, n8n

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