

Brandon Lin

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Education

The University of Hong Kong	3.49 / 4.3
<i>Bachelor of Engineering in Data Science and Engineering, Minor in Mathematics</i>	<i>Sept 2024 – Present</i>
• Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Probability Modeling, Linear Algebra, Calculus I–III, Introduction to Data Science (R)	

Technical Skills

Languages: Python, C, C++, TypeScript, JavaScript, SQL, Bash
Machine Learning & AI: PyTorch, scikit-learn, LightGBM, RAG pipelines, ChromaDB, LLM integration, NumPy, pandas
Backend & Data: FastAPI, Flask, REST APIs, MySQL, MariaDB, Microsoft Fabric, Power BI
Systems & Tools: Linux (Arch, daily driver), Git, Docker, SSH, Neovim, Azure AI
Languages (Spoken): English (IELTS 7.5), Vietnamese (Native), Mandarin (HSK 3)

Experience

AI Solutions Intern	June 2026 – Present
<i>IVC Consulting Group (SAP Gold Partner)</i>	<i>Hong Kong</i>
• Built an LLM-based invoice-to-PO matching pipeline combining OCR (Azure AI Document Intelligence), LLM parsing, and deterministic Python logic, integrated into an SAP workflow • Designed an accuracy-benchmarking framework to evaluate and compare LLM parsing performance across document formats • Developed a demand-forecasting model to support sales projections and production planning	
Data Engineer / Analyst Intern	July 2025 – Sept 2025
<i>GRE Alpha</i>	<i>Hong Kong</i>
• Built an automated data pipeline using Microsoft Fabric and Python to track materials flow and export performance across large datasets • Designed a Power BI dashboard to monitor import/export compliance under Vietnam’s tax-exemption policy • Analyzed HS code classifications and BOM mappings to verify tariff-shift requirements, performing data validation and reconciliation	
Incoming Global Talent (iGT) Team Member	Sept 2025 – Present
<i>AIESEC in Hong Kong</i>	<i>Hong Kong</i>
• Engage companies and external partners in English to identify and coordinate cross-border internship placements • Support outreach campaigns and partnership development with local companies	

Projects

planopt | *Python, LightGBM, PuLP/CBC, LLM*

- Built a production-planning system combining LightGBM demand forecasting with linear-programming optimization (PuLP/CBC)
- Added an LLM-powered chat interface so non-technical users could query forecasts and optimization results in natural language

Daily Updates (du) | *Python, ChromaDB, RAG, FastAPI*

- Built a retrieval-augmented (RAG) agent using ChromaDB that summarizes and delivers personalized daily email digests
- Integrated a mail API with an LLM to filter, rank, and condense incoming messages into concise updates

Khiet Order System | *Python, Flask, Google Sheets API*

- Built and deployed a web-based order-management system used by a local bakery, with a Flask backend, pricing logic, and Google Sheets integration