

EDUCATION

Hong Kong Baptist University	Sep 2022 - Jun 2026
Bachelor of Science (Hons) in Business Computing & Data Analytics   First Class Honors	Cumulative GPA: 3.6/4.0
<ul style="list-style-type: none"><li>Representative of the Senate (Science Faculty), Student Ambassador, Cultural Ambassador, Peer Mentor, Course Tutor</li><li>Lee Siu Lun First-Gen University Student Scholarship, Outstanding Student Scholarship, HKROA, HKBU Global Vision Award</li></ul>	
Nanyang Technological University, Fall Semester Exchange (Aug 2024 – Dec 2024), Fung Scholarship	

WORK EXPERIENCE

Digital & IT Intern, Cathay Pacific	Jul 2025 – Aug 2025
<ul style="list-style-type: none"><li>Built full-stack cargo compliance MVP using React/Flask, demonstrating automation potential for 40K+ monthly packets and identifying HKD 10M+ risk mitigation opportunity</li><li>Created automated data processing workflow to integrate external datasets with internal data, eliminating potential 5+ hours of manual data entry per week through parsing, validation, and cleansing operations</li><li>Assisted with API standardization projects across 6 cross-functional teams and partners including a global investment bank, leading ride-sharing company, and multinational oil corporation</li><li>Developed sequence/flow diagrams and endpoint specifications adopted by 6 microservices, reducing integration complexity.</li><li>Implemented automated rostering algorithm for multi-team on-call scheduling; decreased scheduling conflicts by 60% and reduced manual assignment overhead by 80% across 3 engineering teams</li><li>Managed hackathon logistics for 600+ participants, coordinating stakeholders and maintaining project documentation</li></ul>	
Software Engineer Intern, Wizpresso	Jun 2024 – Aug 2024
<ul style="list-style-type: none"><li>Refactored core services from SvelteKit/Prisma to ASP.NET Core Web API, reducing API latency by 22% (1.6s→1.24s) through async I/O, DbContext tuning, and in-memory caching; delivered improvements to 1,500+ daily users</li><li>Implemented OAuth 2.0/OIDC with JWT SSO for 15k+ users; enforced secure standards (PKCE, key rotation), passing external security audits with no critical findings</li><li>Led zero-downtime migration from SQL Server to Amazon RDS using AWS DMS with CDC; ensured &lt;0.05% data variance and automated reconciliation before switchover</li></ul>	
Research Assistant, Hong Kong Baptist University	Jan 2024 – Aug 2024
<ul style="list-style-type: none"><li>Adapted a 7B LLM for financial sentiment and NER using PEFT–LoRA (4-bit QLoRA); achieved higher F1 scores than BERT with &gt;95% fewer trainable parameters and 60–70% lower compute use</li><li>Integrated fine-tuned LLM into LangChain pipeline for large-scale analysis of 20,000+ earnings call transcripts</li></ul>	
Software Engineer Intern, Admazes	Dec 2023 – Jan 2024
<ul style="list-style-type: none"><li>Built RAG pipeline using LangChain and HuggingFace embeddings with vector similarity search for 10K+ documents</li><li>Improved QA accuracy by 25% and reduced hallucinations by 60% through semantic chunking and citation validation</li></ul>	

PROJECTS & LEADERSHIP EXPERIENCE

Real-Time Fraud Detection System, Python (Flask/scikit-learn/pandas), Apache Kafka/Zookeeper, Redis, PostgreSQL, Docker   GitHub	
<ul style="list-style-type: none"><li>Architected real-time fraud detection system achieving ~95% prediction accuracy on imbalanced datasets by implementing ensemble ML models (Isolation Forest + Logistic Regression + XGBoost) with automated anomaly detection capabilities</li><li>Built distributed streaming architecture supporting 1,000-4,000 requests/second throughput for scalable transaction analysis</li></ul>	
Navigation and Tourism App, NextJS, Python (FastAPI BeautifulSoup4), MongoDB, Docker, Google API, Cohere API   GitHub	
<ul style="list-style-type: none"><li>Engineered location intelligence system processing APIs and automated web scraping pipelines to extract real-time POI data, business hours, and pricing information for contextual travel recommendations and navigation.</li><li>Processed unstructured voice/text through multi-model AI pipeline achieving 95%+ accuracy in intent recognition at scale</li></ul>	
Founder & Lead Developer, Read the Vision	
<ul style="list-style-type: none"><li>Building a computer vision solution to transcribe hand signals and improve communication between deaf/mute communities and the public; admitted to the HKSTP Ideation Programme (up to HKD 100,000 funding; initial HKD 10,000 secured).</li></ul>	
Student Ambassador, Amazon Web Services	
<ul style="list-style-type: none"><li>Liaison between AWS and the student community, organizing events(AWS Summit 2025) and promoting AWS resources</li></ul>	

SKILLS

Languages & Frameworks: Java, Python, C++, C#, JavaScript, TypeScript, SQL, HTML,CSS, React, SvelteKit, Next.js, ASP.NET Core, Spring Boot, Node.js, Express.js, Flask, Material UI, Tailwind CSS, Streamlit
Data & Analytics: PostgreSQL, MySQL, MongoDB, Pandas, Matplotlib, Seaborn, LangChain, Power BI, Tableau
Cloud & Development Tools: AWS (RDS, DMS, S3), GCP (Firebase), Docker, Apache Kafka, Redis, Unity, Jira, Confluence, Kubernetes, Linux

INTERESTS

Powerlifting (1058lbs Total), Rugby (Varsity Team), Poker, R&B Music, *Remembrance of Earth's Past* by Liu Cixin