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EDUCATION

Hong Kong Baptist University | Faculty of Science

Hong Kong, CN

BSc, Business Computing & Data Analytics | First Class Honors | cGPA: 3.75/4.00

September 2022 – June 2026

- Student Ambassador, Cultural Ambassador, Peer Mentor, Science Career Mentee

Semester abroad at Nanyang Technological University, Singapore (August 2024 – December 2024), Fung Scholarship

Coursework: Data Structures & Algorithms, Software Engineering, Natural Language Processing, Data Visualization

RELEVANT EXPERIENCE

Wizpresso

Hong Kong

Software Engineer Intern

June 2024 – Aug 2024

- Developed 15 new features and optimized 10 existing ones using the Svelte framework. Improving portal speed by 20%, leading to an increase in user engagement and a 20% reduction in load times.
- Refactored the user management portal by transitioning from a SvelteKit and Prisma stack to an ASP.NET backend, improving performance, scalability, and maintainability of the system.
- Integrated a user admin console with an existing user management server, significantly enhancing user management components to streamline operations and improve user experience for both clients and internal stakeholders.

Hong Kong Baptist University

Hong Kong

Research Assistant

January 2024 - Present

- Conducted research and finetuning of OpenAI's model through LangChain to analyze earnings 20,000 call transcripts and conferences, significantly enhancing its capabilities in classification and sentiment analysis.
- Authored detailed documentation on research progress regarding the efficacy of using LLM models to process corporate financial statements.

Admazes

Hong Kong

Software Engineer Intern

December 2023 - January 2024

- Enhanced a Local Large Language Model using LangChain, HuggingFace, and Streamlit, improving response accuracy by 25% through better semantic understanding and advanced search capabilities with the RAG approach.
- Analyzed datasets with Google BigQuery, optimizing data retrieval by 30% and generating insights with 100+ complex SQL queries, leading to a 20% boost in operational efficiency.

Markworth

Hong Kong

Product Management Intern

May 2023 – August 2023

Supported the full product development lifecycle by conducting market research, creating requirements docs, developing prototypes, tracking metrics, and working cross-functionally with departments like accounting, marketing, and HR.

Selected Project Experience

- Customized over 20 modules in Odoo for an IT Retail company extending customer retention inventory and accounting features, reducing manual efforts by at least 45%.
- Integrated and developed websites with Odoo's backend ERP system to pull product catalogs, service listings, project details and events dynamically.

SELECTED PROJECTS

[MealMatch, A web platform designed to connect food bank donors with beneficiaries in need \(ReactJS, Firebase, Leaflet.js\)](#)

- Streamlined onboarding for small and large-scale donors, enabling food donations through the platform.
- Computed matching logic with the Hungarian Algorithm, which efficiently optimizes matching based on needs.

[Budgeting App, Full-stack app for tracking income, expenses, and savings goals \(Next.js, REST API w/ Firebase\)](#)

- Implemented user authentication, secure data storage, and real-time updates using Firebase w/ CRUD.
- Integrated Chart.js for dynamic data visualization, creating interactive charts and insights.

[Profile Bot, chatbot supplied personal data \(Python, API Integration, Local LLM embeddings, Web scraping\)](#)

- Created a personalized chatbot that can intelligently inquire about professional experience, skills, and background information by scraping data from my LinkedIn profile demonstrated through Streamlit.

EXTRACURRICULARS

The Hongkong and Shanghai Banking Corporation Limited

United Kingdom

International Innovation Graduate Project Hackathon | Finalist

May 2023 – August 2023

- Managed a team to conceptualize and build a proof-of-concept for a machine learning-based stress testing software within 12 weeks, referencing Jmeter and Locust.

CERTIFICATIONS, SKILLS & INTERESTS

Languages: Java, Python, C#, SQL, R, HTML, CSS, JavaScript, TypeScript

Libraries & Frameworks: Tailwind CSS, Bootstrap, ReactJS, Svelte, NextJS, Streamlit | ASP.NET, Express.js, Flask, MongoDB,

BigQuery, MySQL | Pandas, Matplotlib, Seaborn, LangChain

General: Blender, Odoo, Adobe Photoshop, Tableau, Microsoft 365, Client Services

Certifications: Google Data Analytics, KPMG Data Analytics

Interests: Software Development, Powerlifting (1058lbs Total), Rugby (Varsity Team), R&B Music