

# Juan Felix Pangestu

## EDUCATION

Hong Kong Baptist University | Faculty of Science

Hong Kong, CN

BSc, Business Computing and Data Analytics | First Class Honors | 3.85/4.00

Class of 2026

Participating/Participated: AIXHK OpenCup, Cathay Hackathon, Toastmasters, ACCA Business Competition

Nanyang Technological University | Semester 1 Exchange | Fung Scholar | 2024

## RELEVANT EXPERIENCE

Hong Kong Baptist University

Hong Kong, CN

Research Assistant

January 2024 - Present

- Researching on the efficacy of AI on analyzing financial reports.

Admazes

Hong Kong, CN

Software Engineer Intern

December 2023 - January 2024

- Trained an LLM model to intelligently answer questions about Google Analytics. Enhanced the model's semantic understanding by fine-tuning its embeddings and developing a semantic search capability.
- Developed the front-end interface for a conversational AI chatbot using Streamlit. Integrated the customized backend model to provide a seamless, natural language user experience.
- Leveraged Google BigQuery for data analysis on large datasets, creating insights.

The Markworth Group

Hong Kong, CN

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 15 modules in Odoo for an IT Retail company extending customer retention inventory and accounting features, reducing manual efforts by at least 45%.
- Integrated Odoo websites with backend ERP system to pull product catalogs, service listings, project details and events dynamically.
- Developed fully responsive company websites for 5 clients using HTML, CSS, JavaScript integrating its backend with Odoo.

## SELECTED PROJECTS

### Profile Chatbot, 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.
- Built the chatbot using the Text-generation-webui Gradio to enable local deployment and easy demonstrations of its capabilities.

### Discord Bot, with a core feature of user management (Java, API Integration)

- Cultivated a bot allowing user registration via unique codes verified against a csv file, tying users to their profile records on a Discord server. Allowing identification of their test scores and seat placements for tests.
- Implemented features that includes calculating exchange rates through a simple command.

## EXTRACURRICULARS

The Hongkong and Shanghai Banking Corporation Limited

London, UK

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, utilizing Jmeter and Locust as reference. Researched competitors to estimate project costs.
- Presented the final prototype and business case to HSBC executives via pitch deck, demonstrating the product functionality and benefits.

Society of Registered Financial Planners

Hong Kong, CN

Hong Kong Undergraduate Financial Planner of the Year Award | Semi-finalist

October 2021 - December 2021

Competed regionally against 70+ teams and was awarded the Certificate of Excellence.

- Conducted in-depth research and analysis of the client's financial situation, goals, and risk tolerance.
- Assembled detailed and practical investment recommendations based on the client's needs and market conditions

## CERTIFICATIONS, SKILLS & INTERESTS

Languages: Java, Python, C, SQL, R, HTML, CSS, Javascript, TypeScript

Libraries & Frameworks: Tailwind CSS, Bootstrap, ReactJS, Streamlit | Express.js, Flask, MongoDB, BigQuery, SQL\*Plus |

General: Pandas, Matplotlib, Seaborn

Certifications: Blender, Odoo, Adobe Photoshop, Tableau, BizDev, Microsoft 365, Client Services

Interests: Google Data Analytics, KPMG AU Data Analytics

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