

# Felix Pangestu

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## SKILLS

**Languages:** Java, Python, C#, SQL, R, HTML, CSS, JavaScript, TypeScript  
**Frameworks:** Bootstrap, ReactJS, Svelte, NextJS, MaterialUI, Streamlit, Tailwind CSS | ASP.NET, Express.js, Flask, MongoDB, BigQuery, MySQL | Pandas, Matplotlib, Seaborn, LangChain  
**Software/Certifications:** Tableau, Blender, Odoo, Adobe Photoshop, Microsoft 365, Google/KPMG Data Analytics

## RELEVANT EXPERIENCE

**Software Engineer Intern | Wizpresso** June 2024 - August 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 a user management portal by transitioning it from a **SvelteKit** and **Prisma** stack to an **ASP.NET** backend, improving performance, scalability, and maintainability of the system.
- Implemented a secure authentication and authorization system using **OAuth 2.0** and **JSON Web Tokens**, ensuring the protection of sensitive user data and meeting strict compliance requirements for a financial services app.
- Established AWS Database Migration Service (**DMS**) to synchronize a local **SQL** database with **Amazon RDS**, enabling continuous data replication and ensuring minimal downtime during the migration process.
- Collaborated effectively with cross-functional teams utilizing **agile methodologies** and **Jira** to enhance project delivery and responsiveness to change.

**Research Assistant | Hong Kong Baptist University** January 2024 – August 2024

- Conducted research and finetuning of a **Large Language 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 **Large Language Models** to process corporate financial statements.

**Software Engineer Intern | Admazes** 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.

**Product Management Intern | Markworth** May 2023 - August 2023

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

## SELECTED PROJECTS

**MealMatch, 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, LangChain, 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**.

## EDUCATION

**Hong Kong Baptist University** September 2022 - June 2026

Bachelor of Science (Hons) in Business Computing & Data Analytics | First Class Honours Cumulative GPA: 3.8/4.0

- HSBC's IGP Hackathon Finalist, HKUFP Finalist, Student/Cultural Ambassador, Peer Mentor, Outstanding Student Scholarship

**Nanyang Technological University Fall Semester Exchange (August 2024 – December 2024), Fung Scholarship**

## INTERESTS

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