James **Sungarda**

THE UNIVERSITY OF HONG KONG

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Education

The University of Hong Kong *Hong Kong SAR*

BACHELOR OF ENGINEERING (COMPUTER SCIENCE) *Sep. 2024 - Jun. 2028 (expected)*

- Cumulative GPA: 3.75/4.3
- Recipient of HKU Undergraduate Entrance Scholarship for Outstanding Academic Talents.
- Full scholarship awarded to outstanding freshmen in recognition of their academic result obtained before their admissions

Skills

Programming Languages	C++, Python, Javascript/Typescript, HTML/CSS, SQL, Bash, Lua, TeX
Frameworks	Next.js, React, Django
Languages	English, Putonghua, Cantonese, Indonesian

Projects

Arang

TYPESCRIPT, NEXT.JS, POSTGRESQL, AZURE *Oct. 2024*

- Made as part of a hackathon, Arang is a spaced-repetition, Anki-style flashcards app which combines traditional digital flashcards functionality with LLM models using Retrieval Augmented Generation (RAG) to intelligently generate flashcards questions and answers based on images, text, and videos.
- Full-stack web application written in TypeScript, using the Next.js web framework with PostgreSQL as backend database. The app connects to Azure's OpenAI service as the LLM provider.

Timeblockr

TYPESCRIPT *Jan. 2025 - Present*

- Smart AI assisted calendar which Uses RAG to retrieve and read existing calendar lists e.g. Google Calendar, connects to Google Maps and OpenWeather to intelligently assign time slots.
- AI recommendations and schedule adjustments based on real time data such as traffic data and weather forecasts.
- LLM (hosted in Azure) used are given a custom prompt and fine-tuned with an datasets to improve output consistency and accuracy.

Honors & Awards

HKU CSAxDSA Sociathon 2024 - Second Runner Up

SECOND RUNNER UP *Oct. 2024*

- Second runner up at a group hackathon hosted by the University of Hong Kong in collaboration with Cathay Pacific, competing against over 60 contestants and 18 groups.
- Designed and made a working full stack prototype website with Next.js, PostgreSQL working solution to education inequality, and pitched it to professors and executives.
- Worked with a team of 5, and was responsible for software prototype and technical implementation.

National Science Olympiad in Informatics

QUALIFIER *Jun. 2023*

- Achieved 4th place in province-level olympiad
- Competed in the largest high school informatics competition in Indonesia.
- Solved problems related to algorithms, computational thinking, and programming languages such as C++ and Python

Extracurricular Activity

Tam Wing Fan Innovation Wing *The University of Hong Kong*

MEMBER *Oct. 2024 - Present*

- Research and development of innovative projects in the field of computer science.
- Participated in various hackathons and innovation challenges, collaborating with a diverse team of students.