

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: 3.75/4.30
- 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.

HKU English Debate Society

The University of Hong Kong

COMPETITIVE TEAM

Sep. 2024 - Present

- Participated in numerous English debating competitions, competing in various formats such as BP, AP, and WSDC.
- Regularly hosted debate workshops and training sessions for new members, as well as mentoring junior debaters.
- Gained experience in public speaking, critical thinking, and argumentation skills.