

# 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 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

Aug. 2022

- 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.