

YU CONG KOO

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EDUCATION

National University of Singapore

Aug 2022 - Jun 2026

Bachelor of Computing in Computer Science

- GPA : 5.0/5.0
- Placed among top student in a class of 842 students in Discrete Structures(CS1231S)
- Placed among top student in a class of 751 students in Programming Methodology II (CS2030S)

**Chong Hwa Independent High School
High School**

Jan 2016 - Dec 2022

- Science stream student taking Physics, Chemistry, Biology and Advanced Mathematics
- Achieved straight A's in Unified Exam Certificate(UEC), with 7A1's out of 8 subjects
- Awarded runner-up for Harvard Prize Book Award
- Ranked first out of over 300 science stream students in Senior Middle 3

WORK EXPERIENCE

Teaching Assistant, National University of Singapore

Aug 2023 - Present

- Taught the Programming Methodology (CS1101S) course, leading a class of 8 year1 undergraduates to learn fundamental knowledge in programming and entry level data structures and algorithms.
- Cooperated closely with 4 lead professors and fellow teaching assistants in team meetings to discuss student progress, instructional strategies, and curriculum planning.
- Fostered a positive and inclusive classroom atmosphere to encourage student participation.

Front End Engineering Intern, Tencent Holdings Ltd., Singapore

May 2023 - Aug 2023

- Collaborated intensively with a team of 20, consisting front end engineers, back end engineers, product managers and designers to develop an AI Generative Content tool.
- Studied source code of up to 10 different flutter libraries, contributed to more than 5000 lines of code in production, and learned about the Model,View,Controller(MVC) architecture thoroughly.
- Implemented an interactive text field for a text-to-sound(TTS) feature using the Flutter framework, allowing users to adjust specific settings of a text including volume, pitch, speed, pronunciation etc.
- Demonstrated incredible problem solving and debugging skills, highly praised by mentor and manager.

SKILLS

- Technical - Experienced in Java, Flutter(dart) and React. Also tried Javascript, Html, CSS, C.
- Object Oriented Programming(OOP), Functional Programming
- Demonstrated ability to rapidly acquire knowledge and new skills
- Displayed ability to adjust to new situations and changing demand
- English(Native), Chinese(Native), Malay(Professional)

AWARDS AND SCHOLARSHIP

- Achieved First Place Award(National) in Xiamen University Malaysia Physics Cup 2021
- Ranked 12th in National Mathematics Olympiad 2021
- Awarded Gold Medal(ranked 50th globally) in Singapore and Asian Schools Maths Olympiad 2021

EXTRA CURRICULAR ACTIVITIES

**Student Residential Leader, Prince Georges Park
Residences(PGPR), Singapore**

Aug 2023 - Present

- Led a group of 15 residents, from Malaysia, Vietnam, Philippines, China and Singapore, promoting Diversity, Equity and Inclusion (DEI) among residents.
- Partnered closely with 2 Resident Fellows and 2 Resident Assistants to monitor residents' wellbeing and welfare, acting as a key communicator between residents and management officers.
- Organized monthly cluster events, alongside with initiating a bi-weekly cluster dinner to foster relationship among residents.
- Played a crucial role in ensuring safety and security within a cluster.