

# YU CONG KOO

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## EDUCATION

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### National University of Singapore

Aug 2022 - Dec 2025

#### Bachelor of Computing in Computer Science

- GPA : 5.0/5.0
- Attained recognition as top student in Discrete Structures (CS1231S) among a class of 842 students
- Attained recognition as top student in Programming Methodology II (CS2030S) among a class of 842 students
- Attained recognition as top student in Software Engineering (CS2103T) among a class of 438 students
- Attained recognition as top student in Introduction to Computer Networks (CS2105) among a class of 446 students
- Awarded Dean's List for AY 2023/2024 Semester 1

### Chong Hwa Independent High School High School

Jan 2016 - Dec 2021

- 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

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### Full Stack Engineer Intern, GIC Private Limited, Singapore

Jan 2024 - Present

- Collaborated with a team of 6 full stack developers in Securities Financing Technology Team to implement a software solution for portfolio managers.
- Practised Scrum framework, participating in daily standups and contributing to sprint planning and sprint review sessions.
- Practised multiple software engineering practices, such as Pair Programming, Test Driven Development and Object-Oriented Programming, ensuring excellence in code quality and developed proficiency in React(typescript), C# and Python.

### Teaching Assistant, National University of Singapore

Aug 2023 - Dec 2023

- Taught the Programming Methodology (CS1101S) course, leading a class 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.
- Received an overall rating of 4.8/5 and was nominated by 25% of the class for teaching awards.

### Front End Engineer 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 iteratively.
- 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.

## **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.