

# Tang Tsz Tsun

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## EDUCATION

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### The Chinese University of Hong Kong (CUHK)

Hong Kong

*Bachelor's of System Engineering and Engineering Management*

*Sep 2018 — Nov 2024*

- Relevant Coursework: Data Structure, Software Engineering, Design and Analysis of Algorithms, Human-computer Interaction, E-Commerce Data Mining, Information Systems Analysis and Design

## WORK EXPERIENCE

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### Teacher Assistant

Jul 2021 — Sep 2021

Shun Tak Fraternal Association Yung Yau College

*Hong Kong*

- Developed and prepared teaching materials on IT concepts
- Designed and implemented a posture detection system to illuminate an IoT-powered prop
- Wowed a room full of nerds with pretty pictures of invisible things and imaginary findings

### Tutor

Nov 2019 — Jul 2021

Shun Tak Fraternal Association Yung Yau College

*Hong Kong*

- Conducted Android development workshops using Android Studio for secondary school students
- Introduced fundamental concepts of Object-Oriented Programming (OOP) and database management to students
- Guided students in building their own Android applications through hands-on coding exercises

### Android Developer Intern

Jun 2018 — Sep 2018

Crossover Ltd.

*Hong Kong*

- Developed an Android app for learning English using Java, with multilingual support and a MySQL-PHP database
- Maintained and improved an iOS learning app built with Swift
- Managed an Android mental health app, optimizing its performance in Java
- Built an AI-powered chatbot for mental health support using NLP and Neural Networks

## PROJECTS

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### Bin Packing Solver ([github.com/TTTANG216/BinPacking2](https://github.com/TTTANG216/BinPacking2))

Apr 2023

- Studied on Bin Packing Problem for Final Year Project
  - Provided an original algorithm for both online and offline bin packing problem with analysis
  - Offered GUI to show the operation of the algorithm in Java

### disCUssion ([github.com/ikim0106/disCUssion](https://github.com/ikim0106/disCUssion))

Jun 2023

- Developed a simple real-time chatting application
- Provided authentication for users
- Provided searching function by name/email/SID

### Wethering With Me ([github.com/TTTANG216/WeatheringWithMe](https://github.com/TTTANG216/WeatheringWithMe))

May 2022

- Developed a simple website application to access weather information in different locations
- Provided authentication for users
- Provided bookmark function for locations

## SKILLS

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- **Programming Languages:** Java, Python, C/C++, Swift, PHP, JavaScript, JSON, Microsoft Visual Basic
- **Technologies & Frameworks:** Git, Android SDK, MySQL, MongoDB, HTML, CSS
- **Languages:** English, Cantonese, Mandarin, Japanese