Ricky, CHU

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in [Ricky Chu](#) ⭘ [RikidWai](#) 👤 [Personal Web](#)

Education

BEng(CompSc) - The University of Hong Kong	9/2018 – 6/2023

- Major in Computer Science
- Cumulative GPA: 3.36

Exchange Program – University of Waterloo	1/2022 - 4/2022

- Faculty of Mathematics

The Globex Julmester Program - Peking University	7/2019

- Energy Economics and Finance
- China Economy: Growth and Global Connections

Tsuen Wan Government Secondary School	2012 – 2018

Experience

Digital & IT Graduate Trainee – Cathay Pacific	6/2022 – Present

- Gather business requirements and analyze existing business processes from Asia Miles Business team for Customer Loyalty System (CLS)
- Collaborate with IT teams to ensure proper integration between CLS and other business systems, such as Holidays and marketing automation platforms, and conduct UAT for Customer Loyalty System

Part-time Data Scientist – Arup	6/2022 – 5/2023

- Developed and maintained image data processing pipeline for Land Use Recognition Model
- Researched and assessed the viability of utilizing Generative Adversarial Network (GAN) to design energy-efficient room layouts
- Analyzed geo-data collected from drones to study the efficiency of adopting GPS and LoRa based on GWIN

Intern in Group Technology Service – FWD GROUP	6/2021 - 8/2021

- Mobile Application Development
- Built REST API with Spring/Spring Boot and MongoDB
- Built the interface with React Native

Teaching Assistant - ROBOT INSTITUTE OF HONG KONG	7/2018 – 5/2023

- Engaged children with STEAM Education
- Contributed in organizing STEAM competition and activities
- Prepared teaching materials related to ICT/Math/AI

Language

Cantonese: Native
Mandarin: Native
English: Advanced
IELTS: 7.5

Skills

Programming Languages: Java, Python, JavaScript, R, and C/C++/C#
Libraries: Pytorch, Numpy
Framework: Spring/Spring boot, Django, React Native
Database: MongoDB/RealmDB, MySQL, MS Access SQL
Experience in Mobile App Development, Game Development, Web Development

Projects

Final Year Project - Machine Learning in Archaeology - HKU

- Developed an automatic image processing pipeline

- Developed deep learning models to classify pottery sherds
- 3rd Runner-up in HKU 2022/23 FYP Competition
- Associated with the HKU Ararat Plain Southeast Archaeological Project team

Other Experience

HKU Student Teaching Assistant
    COMP2396 Object-oriented Programming and Java   2020-2021 2nd Semester
    COMP2396 Object-oriented Programming and Java   2022-2023 2nd Semester
HKU Peer Mentor of Engineering Faculty   9/2020 – 6/2021
Ocean Park X HKU Hackathon 2019   6/2019