

## TANG Man Kit | 鄧文傑

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[LinkedIn](#) | [Homepage](#)

### EDUCATION

#### Peking University

- Summer Semester Exchange Student(The Peking University Summer GLOBEX Julmester Program 2021)

July 2021



Beijing

Calculated CGPA during the Exchange Program(Reference): 3.68/4.00

Attended Coursework: Applied Analysis in Engineering Sciences(87/100, A-)

Girton College, University of Cambridge



-Offered as Exchange Student(PolyU Summer@Oxbridge Program: The Engineering Summer Programme at Girton College 2019, Cambridge)  
(Offer Received, Declined)

N/A

N/A

#### The Hong Kong Polytechnic University



THE HONG KONG  
POLYTECHNIC UNIVERSITY  
香港理工大學

Sep 2018 - Aug 2022

Hong Kong

-Bachelor of Science with Honours in Computing, Minor Degree in Applied Mathematics

Attained Honour: SECOND CLASS HONOURS, DIVISION 1

Scholarship/Certification: HKSAR Government Scholarship Fund-Talent Development Scholarship 2020/2021(Category: Innovation, Science and Technology), Future Star 2021-Wenwei Scholarship Selection Activities(Shortlisted Certification of Good Performance), PolyU UG Summer Research Abroad Sponsorship@MIT 2020/21 Shortlisted Finalist, Li Po Chun Charitable Trust Fund Undergraduate Scholarship 2019/20, Wong Tit-Shing Student Exchange Scholarship 2019/20(Offer Received, Declined)

### SKILLS

Programming Languages: JAVA, C++, Python 3

Web Applications: HTML, CSS, PHP, JavaScript/React.js/Vue.js/NodeJS, Python Flask, RESTful API

Database Software: MySQL, Redis, MongoDB

Version Control: Git

IT-related Skills: Linux Bash

New-Trended Technologies: Python Machine Learning Libraries, eg. NumPy/Pandas/Scikit-Learn/TensorFlow/PyTorch, Jupyter Notebook

Miscellaneous: Docker, Cloud Computing Services, eg. Amazon Web Services(AWS), Microsoft Azure, Microsoft Excel/Power Query/Power BI, Penetration Test, LaTeX

Languages: English (Proficient), Mandarin (Proficient) and Cantonese (Native)

### WORK EXPERIENCE

#### Institute of Advanced Executive Education, The Hong Kong Polytechnic University



THE HONG KONG  
POLYTECHNIC UNIVERSITY  
香港理工大學

Nov 2022-Current

Hong Kong

-Part-time Teaching Assistant(HKIB Project, Supervised by [Prof. Brian Kei](#))

1. Performing teaching assistant service for the trainee and handling their enquiries who enrolled the HKMA ECF fintech course co-organized by the university and the Hong Kong Institute of Bankers(HKIB)
2. Reviewing the Lab manual of the HKMA ECF fintech course about the Blockchain/Distributed Ledger Technology .etc and testing the execution of Linux Shell Script, NodeJS and Web Front-End User Interface to ensure the Lab experimental activities are conducted properly

#### PricewaterhouseCoopers limited



Sep 2022-Feb 2023

Hong Kong

-Risk Assurance Analyst(Cyber team at Dark Lab)

1. Performing Security Vulnerabilities Scanning and Web Application Penetration Testing for the Internet assets owned by the company's client(multinational group corporation)
2. Validating and Reproducing the discovered Vulnerabilities of the client's web application system
3. Archiving the validated Vulnerabilities and composing/documenting the penetration testing report for the company's client

#### Department of Computing, The Hong Kong Polytechnic University



June 2022-Aug 2022

Hong Kong

-Research Student Assistant

(Mainly Collaborated with [Mr. Liu Yunfei](#)/Supervised by [Dr. Henry Chan](#), Associate Head and Associate Professor of PolyU COMP,  
Project Topic: Creating Learning Space and Pedagogies For Simultaneous In-person and Online Learning)

1. Researched on the development work and innovative technologies such as AI, VR/AR and/or advanced computing technologies for the implementation of a hybrid classroom.
2. Provided assistance to implement the real-time facial expression recognitions for detecting the student's average emotion and concentration level during the lecture.
3. Investigated and conducted physical experiment for the possible integration and configuration of different electrical teaching facilities for being used more innovatively in a hybrid classroom.
4. Provided assistance to prepare and compose research paper for the submission of [IEEE International Conference on Teaching, Assessment, and Learning for Engineering \(TALE\) 2022](#)

#### Office of the Chief Information Officer, The Education University of Hong Kong



香港教育大學  
The Education University  
of Hong Kong

- IT Intern(Programming), PolyU Work-Integrated Education Programme

July 2021—Nov 2021 Hong Kong

1. Assisted with other Internal Department to carry out paper submission form digitalization by designing and creating the frontend layout of digital form, its backend workflow procedure with dedicated tools ([Workflow First Designer](#)).
2. Implemented the automated validation checking of the user submitted input from the created digital form by [proprietary scripting language](#) inside the [Workflow First Designer](#)
3. Gathered technical requirements and revised software project User Manual.
4. Prepared User Acceptance Testing(UAT) document for system performance testing.

## RESEARCH EXPERIENCE & PUBLICATIONS

Computing Capstone Research Project(COMP4913, Fall/Spring 2021-22):

Project Topic: AI Stylistic and Photorealistic Videos Generations[1][2]

Project Supervisor: [Dr. Chung, Fu-lai Korris](#)

### Conference Proceedings:

[1] **Man-kit, Tang**.An Interactive Neural Network-Based System for Confined Stylization of Product Design.

In: Submitted to International Conference on Design and Semantics of Form and Movement (DesForM 2023 Under Review).

[2] **Man-kit, Tang**, A study on Big Data and its applications for Smart City : Opportunities and Challenges.(Accepted)

To appear in Proceedings of the International Conference on Smart Living 2022



## PROFESSIONAL CERTIFICATIONS

Huawei Certified ICT Associate (HCIA) Big Data V3([Credential Website](#))

Issued Date: 27 May 2022

Certificate No.: 010101801808835131409



Microsoft Certified Azure AI Fundamentals AI-900([Credential Website](#)) (Total Exam Score: 957/1000)

Issued Date: 5 Oct 2021

Credential ID: RLT7-4wBm



## HONOR & AWARDS

1. First Runner-up in MOCSCTF Noob's Hackathon 2023(Member Group) ([ScoreBoard](#))
2. Champion(among a total of 6367 players worldwide,and also the fastest one who solved all the security challenges) in Hack the Boo CTF Competition 2022(Mainly responsible for helping to solve the cryptography problems) organized by Hack the Box(HTB's Cybersecurity Awareness Month 2022) ([News 1](#) | [News 2](#) | [News 3](#))
3. (National Award) First Runner-up in Huawei ICT Competition Global Final(Cloud Track) 2021-2022 ([News 1](#) | [News 2](#) | [News 3](#))
4. (National Award) Second Runner-up in Huawei ICT Competition Asia Pacific Regional Final(Cloud Track) 2021-2022 ([News 1](#) | [News 2](#))
5. (National Award) Champion in Huawei ICT Competition Hong Kong SAR Final(Cloud Track)2021-2022 ([News 1](#) | [News 2](#) | [News 3](#) | [News 4](#))
6. First Runner-up(among 4 final teams shortlisted from 10 teams in different countries/regions including Hong Kong SAR, the United Kingdom and the Mainland China Greater Bay Area, and also the fastest team who completed all incident detection and analysis, response) in 1st Cybersecurity Blue Team competition in Hong Kong for the High-end Education institutions 2021 ([News](#))
7. First Runner-up(Theme: New Generation Technology, Ranked 2/15 among the final shortlisted teams from 60 participating teams) in The Hong Kong Techathon 2021 ([Attained Award list from PolyU website](#))
8. Leaded and Ranked 4/21 teams(Third Runner-up) among 9 universities from Hong Kong SAR and Macau SAR in The PwC's HackaDay Capture the Flag Competition 2020 ([News](#))
9. First Runner-up(Ranked 2/69 teams) in The Hong Kong Cyber Security New Generation Capture the Flag Challenge 2020(Tertiary Institution Category) ([Result from CTFtime](#)) ([Attained Award list from PolyU COMP website](#)) ([News 1](#) | [News 2](#) | [News 3](#) | [News 4](#))



澳門网络安全暨奪旗競賽協會  
Macau Cyber Security and Capture The Flag Association



澳門大學  
UNIVERSIDADE DE MACAU  
UNIVERSITY OF MACAU



## ORGANIZATION & LEADERSHIP EXPERIENCE

Google Developer Student Club – HK PolyU ([Homepage 1](#) | [Homepage 2](#))

-Founding Core Management Team Member

1. Being shortlisted by Google to organize online meetings with other team members for event management and discussion
2. Assisted to develop the club's first official webpage with Google Technologies FireBase
3. Promoted the information of the club to campus staff/students and public via social media platform such as [Instagram](#), etc.

HK PolyU Capture-the-Flag(CTF) Computer Security Team([Homepage](#))

- Founding Team Member

Google Developers  
Sep 2020 – Aug 2021 Hong Kong

Nov 2019-Current Hong Kong



1. Competed in the PolyU CTF Qualifier Contest 2019 and being ranked as top 8+ contestants in order to be shortlisted to join the team
  2. Attended and Received Regular Training on Computer System and Network Security (Supervised by [Dr. Haibo Hu](#) and Coached by [Mr. Kong Chun Ho](#))
  3. Being selected to Represent PolyU to participate and compete in different Cyber Security Competitions
- HK PolyU ACM Programming Team



-Team Member

Sep 2019-Aug 2020 Hong Kong

1. Attended and Received Training on Competitive Programming(Supervised by [Dr. Richard Lui](#), [Dr. Ken Yiu](#) and Coached by [Mr. Ouyang Xiating](#))
2. Completed the Online Competitive Programming Training problems([Online Training Platform Profile](#))