# TANG Man Kit | 鄧文傑

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#### **EDUCATION**

## **Peking University**

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

July 2021

Beijing

**CGPA**: 3.68/4.00

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

# The Hong Kong Polytechnic University

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

Sep 2018 - Aug 2022 Hong Kong

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), Li Po Chun Charitable Trust Fund Undergraduate Scholarship 2019/20

**Highlighted Coursework**: Calculus and Probability & Statistics(A+), Computational Methods, Programming Fundamentals, Data Structure, Database Systems(A), Computer Organizations, Information Systems Development, Software Engineering, Principle and Practices of Internet Security(A-), Services and Cloud Computing(A), Big Data Analytics

#### TECHNICAL SKILLS

**Programming Languages**: JAVA, C/C++, Python, R

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

Database Software: MySQL, Oracle RDBMS, Redis, MongoDB

Version Control: Git

IT-related Skills: CCNA-level Computer Network Devices Configuration and Troubleshooting Skills, Linux Bash

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

Notebook, Big Data Analytics Tools, eg. Hadoop, Apache Spark

Miscellaneous: Statistics, Data Structure and Algorithm, Docker, Cloud Computing Services, eg. Amazon Web Services(AWS),

Microsoft Azure, Microsoft Excel/Power Query/Power BI, Penetration Testing

Soft Skills: Team Leadership, Fluent English/Mandarin, Native Cantonese Communication Skills

# **WORK EXPERIENCE**

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



-Part-time Teaching Assistant(HKIB Project, Supervised by <u>Prof. Brian Kei</u>)

Nov 2022-Current Hong Kong

- 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



-Risk Assurance Analyst(Cyber team at Dark Lab)

Sep 2022-Current Hong Kong

- 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



-Research Student Assistant

June 2022-Aug 2022 Hong Kong

(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 <u>IEEE International Conference on Teaching</u>, <u>Assessment</u>, and <u>Learning for Engineering (TALE) 2022</u>

Office of the Chief Information Officer, 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 (<u>WorkFlow First Designer</u>).
- 2. Implemented the automated validation checking of the user submitted input from the created digital form by <u>proprietary scripting language</u> inside the <u>WorkFlow First Designer</u>
- 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:**

 $1. \ \textbf{Man-kit, Tang}. \ A \ study \ on \ Big \ Data \ and \ its \ applications \ for \ Smart \ City: Opportunities \ and \ Challenges. (\textbf{Accepted})$ 

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

HUAWE

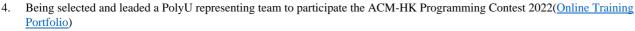
Microsoft Certified Azure AI Fundamentals AI-900(<u>Credential Website</u>) (Total Exam Score: 957/1000)

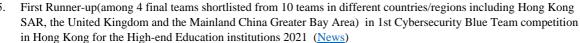
Issued Date: 5 Oct 2021 Credential ID: RLT7-4wBm

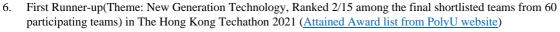


#### **HONOR & AWARDS**

- 1. (National Award) First Prize in Huawei ICT Competition Global Final(Cloud Track) 2021-2022 (News 1 | News 2 | News 3)
- 2. (National Award) Third Prize in Huawei ICT Competition Asia Pacific Regional Final(Cloud Track) 2021-2022 (News 1 | News 2)
- (National Award) First Prize in Huawei ICT Competition Hong Kong SAR Final(Cloud Track)2021-2022 (News 1 | News 2 | News 3)







- 7. Leaded and Ranked 4/21 teams among 9 universities from Hong Kong SAR and Macau SAR in The PwC's HackaDay Capture the Flag Competition 2020 (News)
- 3. First Runner-up(Ranked 2/69 teams) in The Hong Kong Cyber Security New Generation Capture the Flag Challenge 2020 (Result from CTFtime) (News 1 | News 2 | News 3)













# ORGANIZATION & LEADERSHIP EXPERIENCE

-Founding Core Management Team Member

Google Developer Student Club – HK PolyU (<u>Homepage 1</u> | <u>Homepage 2</u>)

Google Developers Sep 2020 – Aug 2021 Hong Kong

1. Organized 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.