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*

CGPA: *3.68/4.00*

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

Girton College, University of Cambridge
-*Exchange Student(PolyU Summer@Oxbridge Program: The Engineering Summer Programme at Girton College 2019, Cambridge)* — N/A — N/A
(Offer Received, Declined)

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, Wong Tit-Shing Student Exchange Scholarship 2019/20(Offer Received, Declined)

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++/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, Apache PySpark
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, LaTeX
Languages: English (Proficient), Mandarin (Proficient) and Cantonese (Native)

WORK EXPERIENCE

Institute of Advanced Executive Education, The Hong Kong Polytechnic University

-*Part-time Teaching Assistant(HKIB Project, Supervised by Prof. Brian Kei)* — *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 IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE) 2022

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 (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**. 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. (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)
3. (National Award) First Prize in Huawei ICT Competition Hong Kong SAR Final(Cloud Track)2021-2022 (News 1 | News 2 | News 3)
4. 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) in 1st Cybersecurity Blue Team competition in Hong Kong for the High-end Education institutions 2021 (News)
5. 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)
6. 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)
7. 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) (News 1 | News 2 | News 3 | News 4)

ORGANIZATION & LEADERSHIP EXPERIENCE

Google Developer Student Club – HK PolyU (Homepage 1 | Homepage 2)
-Founding Core Management Team Member   *Sep 2020 – Aug 2021 Hong Kong*

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   *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 2021 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)