TANG Man Kit, Jacky | 鄧文傑

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EDUCATION

City University of Hong Kong(CityU)

-Master of Science in Applied Physics

Enrolled Research Project Course: PHY6528 Advanced Research in Applied Physics, Supervised by Dr. Wang Xin

CGPA: 3.7/4.3 Peking University Sep 2023 - Aug 2025 Hong Kong



Beijing

July 2021

POLYTECHNIC UNIVERSITY 香港理工大學 Sep 2018 – Aug Hong V Hong Kong

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

Attained CGPA for the Exchange Program(Reference): 3.68/4.00 Attended Coursework: Applied Analysis in Engineering Sciences(87/100, A-) The Hong Kong Polytechnic University(PolyU)

-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/C++/C#, Python 3, R, MatLab

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

Database Software: MySQL, MongoDB

Version Control: Git

Linux: Bash Scripting, System Administration

Machine Learning: Python Machine Learning Libraries, eg. NumPy/Pandas/Scikit-Learn/TensorFlow/PyTorch, Jupyter Notebook, Mathematical and Statistical Modelling, Data Analysis and Feature Engineering

Miscellaneous: Docker, Cloud Computing Services, eg. Amazon Web Services(AWS), Microsoft Azure, Microsoft Excel/Word/PowerPoint/Power Query/Power BI, Penetration Test, LaTeX, Thesis Writing, Computational and data-processing skills, Academic Research and Theory Development, Conducting Laboratory Experiment

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

Institute of Advanced Executive Education, The Hong Kong Polytechnic University



Nov 2022-June 2023 Hong Kong

- -Part-time Teaching Assistant(Supervised by Prof. Brian Kei) 1. Performed teaching assistant service for the trainee and handling their enquiries who enrolled the HKMA ECF fintech course co-organized by
- 2. Reviewed the Lab manual of the HKMA ECF fintech course about the Blockchain/Distributed Ledger Technology .etc and tested 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 Associatet(Cyber team at Dark Lab)

the university and the Hong Kong Institute of Bankers(HKIB)

Sep 2022-Feb 2023 Hong Kong

- 1. Performed Security Vulnerabilities Scanning and Web Application Penetration Testing for the Internet assets owned by the company's client(multinational group corporation)
- 2. Validated and Reproduced the discovered Vulnerabilities of the client's web application system
- 3. Archivied 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)

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. 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.

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

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

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

Capstone 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: International Conference on Design and Semantics of Form and Movement. 2023. (DesForM 2023) (Accepted, Already Being Demonstrated during the Conference Presentation).



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

Issued Date: 27 May 2022

Certificate No.: 010101801808835131409

PROFESSIONAL CERTIFICATIONS

HONOR & AWARDS

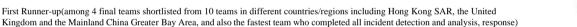
Leaded and Ranked 14/7091 teams(top 0.002%, Top 20 teams over the 7091 teams in the World, Top 10 teams over 4605 teams in the
Asia Pacific Region, Top 5 teams over 241 teams in the Mainland China(231 teams) and Hong Kong SAR Region(10 teams)) in the 24-hour
IEEExtreme 17.0 Global Programming Competition(Event Information | Official Ranking)



 Second Runner-up(Rank: 3/20 teams among 6 Asia Pacific Countries/Regions) in Asia Pacific Cyberattack Response Challenge 2023 (Event Information)



- 3. (National Award) First Runner-up in Huawei ICT Competition Global Final (Cloud Track) 2021-2022 (News 1 | News 2 | News 3)
- (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)





- in 1st Cybersecurity Blue Team competition in Hong Kong for the High-end Education institutions 2021 (News)

 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)

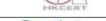
 Leaded and Ranked 4/21 teams(Third Runner-up) among 9 universities from Hong Kong SAR and Macau SAR in The PwC's HackaDay Capture the Flag Competition 2020 (News)





 First Runner-up(Rank: 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) –
 ORGANIZATION & LEADERSHIP EXPERIENCE





Google Developers Sep 2020 – Aug 2021 Hong Kong

$\textbf{Google Developer Student Club} - \textbf{HK PolyU} \ (\underline{\textbf{Homepage 1}} \ | \ \underline{\textbf{Homepage 2}}) \ \underline{\ }$

Founding Core Management Team Member

-Founding Core Management Team Member

- $1. \ Being \ shortlisted \ by \ Google \ to \ organize \ online \ meetings \ with \ other \ team \ members \ for \ event \ management \ and \ discussion$
- $2.\ Promoted \ the \ information \ of \ the \ club \ to \ campus \ staff/students \ and \ public \ via \ social \ media \ platform$

 $\label{eq:holyU} \textbf{HK PolyU Capture-the-Flag}(\textbf{CTF}) \ \textbf{Computer Security Team}(\underline{\textbf{Homepage}}) \ _$



- Founding Team Member

- 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 <u>Dr. Haibo Hu</u> and Coached by <u>Mr. Kong Chun Ho</u>)
- 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. Being shortlisted by Department of Computing, PolyU to join the team and Received Training on Data Structure, Algorithm, Competitive Programming(Supervised by Dr. Richard Lui, Dr. Ken Yiu and Coached by Mr. Shan Jian, Mr. Xiating Ouyang)

2. Completed the Online Competitive Programming Training problems(Online Training Platform Profile)