

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: The HKSAR Government Scholarship Fund-Talent Development Scholarship 2020/2021, 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 Scripting and System Administration

New-Trended Technologies: Python Machine Learning Libraries, eg. NumPy/Pandas/Scikit-Learn/TensorFlow/PyTorch, Jupyter Notebook, Big Data Analytics Tools, eg. Hadoop, Apache Spark

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

Miscellaneous: Statistics, Advanced Mathematics, Data Structure and Algorithm, Information Security, Docker, Cloud Computing Services, eg. Amazon Web Services, Microsoft Azure

WORK EXPERIENCE

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
2. Validating and Reproducing the discovered Vulnerabilities of the client's web application system
3. Archiving the validated Vulnerabilities and composing 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

(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 the possible integration 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](#)

- 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

Research Interest: Machine Learning, Internet Security, Cryptography, Physical Sciences and Applied Mathematics

Capstone Research Project:

Project Topic: AI Stylistic and Photorealistic Videos Generations

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

Project Descriptions: This project aims to develop a system or an app to do one special effect, i.e., stylistic/photorealistic video generation. By giving one style image (e.g. van Gogh's Starry Night), a user submitted video will be transformed into one carrying the given style. The system will be based on deep learning, a state-of-the-art technology in AI and machine learning.

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 (ICSL2022), 2022



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](#))

Issued Date: 5 Oct 2021

Credential ID: RLT7-4wBm



HONOR & AWARDS

1. First Prize in Huawei ICT Competition Global Final(Cloud Track) 2021-2022 ([News 1](#) | [News 2](#) | [News 3](#))
2. Third Prize in Huawei ICT Competition Asia Pacific Regional Final(Cloud Track) 2021-2022 ([News 1](#) | [News 2](#))
3. 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. Led 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 ([Result from CTFtime](#)) ([News 1](#) | [News 2](#) | [News 3](#))



ORGANIZATION EXPERIENCE

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



-Founding Core Management Team Member

Sep 2020 – Aug 2021 Hong Kong

1. Organized online meetings with other team members for event management and discussion
2. Developed the club's 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.