TANG Man Kit | 鄧文傑

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EDUCATION

Peking University

N O N

- Summer Semester Exchange Student(The Peking University Summer GLOBEX

July 2021

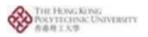
Beijing

Julmester Program 2021)

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 <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 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 (<u>Homepage</u>)

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:

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

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

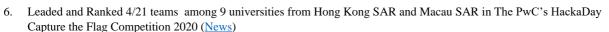
HUAWEI

THE HONG KONG
INSTITUTION OF ENGINEES



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 (<u>Attained Award list from PolyU website</u>)



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)







hkpc



HISTPY 20 PROPELLING



ORGANIZATION EXPERIENCE

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

Google Developers

-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.