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-)

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 Associate(Cyber team at Dark Lab) *Sep 2022-Current* Hong Kong

Department of Computing, The Hong Kong Polytechnic University

*- Research Student Assistant, supervised by Dr. Henry Chan (*Homepage */* IEEE Xplore Author Page*)* *June 2022-Aug 2022* Hong Kong
 1. Researching 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. Providing assistance to implement the real-time facial expression recognitions for detecting
  the student's average emotion and concentration level during the lecture.
 3. Investigating the possible integration 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 digital form, workflow procedure with dedicated tools (WorkFlow First
   Designer) and automated scripting.
  2. Gathered technical requirements and revised software project User Manual.
  3. Prepared User Acceptance Testing(UAT) document for system performance testing.

RESEARCH EXPERIENCE & PUBLICATIONS

Research Interest: Computer Vision, Machine Learning, Big Data Analytics, Internet Security, Cryptography

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)
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
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
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)
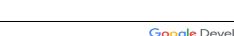
ORGANIZATION EXPERIENCE

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 via social media platform such as Instagram, etc.