TANG Man Kit, Jacky | 鄧文傑

Mobile: +852 66863026/+86 13266959120 | Email: matang3-c@my.cityu.edu.hk / heionscience @gmail.com | LinkedIn: Jacky Tang

EDUCATION

City University of Hong Kong(CityU)

Sep 2023 – Current   *Hong Kong*

-*Master of Science in Applied Physics*
Enrolled Research Project Course: PHY6528 Advanced Research in Applied Physics, Previously Supervised by Prof. Wang Xin
CGPA: 3.7/4.3
Peking University

July 2021   *Beijing*

- 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)

Sep 2018 – Aug 2022   *Hong Kong*

-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

West Branch, China Academy of Information and Communications Technology(CAICT)

-Software Testing Engineer (Intern)   *June 2023-August 2023 Chongqing, China PR*
1. Reviewed the software project manual to understand the business logic of the web application system developed by the R&D department of the organization and tested its specific functionalities
2. Reported the identified bugs to the project management system by writing reports and submitting the execution results of the target system

Institute of Advanced Executive Education, The Hong Kong Polytechnic University

-Part-time Teaching Assistant(Supervised by Prof. Brian Kei)   *Nov 2022-June 2023   Hong Kong*
1. Performed 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. 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 Analyst(Cyber team at Dark Lab)   *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

-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)

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.

1.   Provided assistance to implement the real-time facial expression recognitions for detecting the student's average emotion and concentration level during the lecture.

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.

3.   Provided assistance to prepare and compose research paper for the submission of IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE) 2022) (Paper)

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).

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 (Exam Score: 957/1000)
Issued Date: Oct 2021
Credential ID: RLT7-4wBm

HONOR & AWARDS

1.   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)

2.   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)
4.   (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)

6.   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, and also the fastest team who completed all incident detection and analysis, response) in 1st Cybersecurity Blue Team competition in Hong Kong for the High-end Education institutions 2021 (News)
7.   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)
8.   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)

9.   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 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. Promoted the information of the club to campus staff/students and public via social media platform

HK PolyU Capture-the-Flag(CTF) Computer Security Team(Homepage)

- Founding Team Member   *Nov 2019-Jan 2023   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 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)