

HO YIN YUEN

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PUBLICATION (PEER-REVIEWED)

- **Ho Yin Yuen** and Jesper Jansson
Better Link Prediction for Protein-Protein Interaction Networks
2020 IEEE 20th International Conference on Bioinformatics and Bioengineering (BIBE)
Cincinnati, OH, 2020, pp. 53-60, DOI: <https://doi.org/10.1109/BIBE50027.2020.00017>
- Bei Ho Pan, Qiang Zhang, Chun Hei Lam, **Ho Yin Yuen**, Shifeng Kuang, Xin Zhao
Petite miracles: insight into the nano-management of scarless wound healing.
Drug Discovery Today, 2020, ISSN 1359-6446, DOI: <https://doi.org/10.1016/j.drudis.2020.03.013>
- **Ho Yin Yuen**, Feijie Wu, Wei Cai, Henry C.B. Chan, Qiao Yan, and Victor C.M. Leung.
Proof-of-Play: A Novel Consensus Model for Blockchain-based Peer-to-Peer Gaming System.
In Proceedings of the 2019 ACM International Symposium on Blockchain and Secure Critical Infrastructure (BSCI '19). ACM, New York, NY, USA, 19-28. DOI: <https://doi.org/10.1145/3327960.3332386>

AWARD

- | | |
|---|----------------------------|
| Best Bioinformatics Paper Award | 28 th Oct 2020 |
| Awarded by the conference IEEE-BIBE 2020 of IEEE, Cincinnati, USA | |
| ACM Best Student Paper Award | 10 th July 2019 |
| Awarded by the conference BSCI 2019 of ACM SIGSAC, Auckland, NZ | |

RESEARCH EXPERIENCE

Biomaterials Laboratory¹, The Hong Kong Polytechnic University	Aug 2019 - Present
<i>Research Student / Project Assistant</i>	<i>Aug 19 - Aug 20 / Aug 20 - Present</i>

- Developed a hybrid app using Flutter for teaching & learning of the BME department
- working on a research project of cells mechanical behaviors on micro-patterned scaffolds
- responsible for lab duties such as maintaining cell lines, refilling and stocking up supplies

Capstone Project², The Hong Kong Polytechnic University	Sept 2019 - May 2020
<i>Undergraduate Student</i>	

- Researched in algorithms related to protein-protein interaction (PPI) network inference
- Published the work in IEEE-BIBE 2020 under the topic of link prediction in PPI networks

WiNMoS Laboratory³, The University of British Columbia	July 2018 - Sept 2018
<i>Summer Research Student</i>	

- Published conference paper about a novel blockchain consensus model at BSCI 2019
- Working on the extended conference paper for journal publication

WORK EXPERIENCE

Hai Kang Life (HKLife) Corporation Limited	Dec 2017 - May 2019
<i>Part-time Engineer</i>	

- Employed for a full-stack solution (Python, Nodejs) for image processing of their EFADChip® Project
- improved the processing of 744 Images from 40 minutes to 4 minutes, accuracy from 77% to 82%

Microsoft Hong Kong

Aug 2017 - Dec 2017

Part-time Microsoft Experience Center (MEC) Evangelist

- guide and demo technologies to business & NGO visitors at the MEC
- assist of technical setup for hardware and software in clients' meetings and MEC

Freelancer

Jun 2017 to Sept 2017

Full-stack Web Developer

- developed a mobile & desktop website for ORGMotorsports <https://orgmotorsports.com/>

POSITION OF RESPONSIBILITY

Microsoft Hong Kong

Oct 2016 - Jun 2017

Microsoft Student Partner

- Lecturer and Helper of the PolyU Guest Lecture on Azure ML Studio
- Lecturer and Helper of GirlSpark Bot Framework Workshop
- Volunteer of Microsoft Imagine Cup 2017, Hackathon ImagineHack 2017, PolyU Blockchain Workshop 2017

SPONSORSHIPS

PolyU UG Summer Research Aboard Sponsorship

Granted HKD\$50,000 for research exchange at The University of British Columbia

PolyU International Competition & Conference Participation Scheme

Granted 2/3 of the total expense for the participation & presentation at BSCI 2019

TECHNICAL STRENGTHS

Computer Languages	Python, HTML+CSS+Javascript, Nodejs, C#, Java, C
Frameworks/Libraries	numpy, scikit-learn, pandas, matplotlib, flask, Flutter
Technologies	Web & Mobile Development, Complex Network, Image Processing
Wet Lab Techniques	Standard Cell Culture, Standard Cells Assays / Staining

EDUCATION

The Hong Kong Polytechnic University

Sept 2016 - Jun 2020

Department of Computing

B.Sc (HONS) COMPUTING

Awarded GPA: 3.23/4 (0.8075)

MINOR IN BIOMEDICAL ENGINEERING

Notes

¹<http://zhaobiomaterialsgroup.com/>

²<https://www4.comp.polyu.edu.hk/csjj/>

³http://winmos.ece.ubc.ca/Main_Page