

Chui Shan Lee

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RESEARCH INTERESTS

Online Algorithms & Fair Resource Allocation

EDUCATION

The University of Hong Kong

Hong Kong

Ph.D. in Computer Science

Sept. 2021 - Present

- Supervisor: Zhiyi Huang

The University of Hong Kong

Hong Kong

BEng in Engineering Science, First Class Honours

Sept. 2017 - July 2021

- GPA: 4.00/4.30
- First Major in Computing & Data Analytics, Second Major in Mathematics
- Supervisor: T.-H. Hubert Chan

INTERNSHIP

Department of Mathematics, The University of Hong Kong

Hong Kong

Student Research Assistant

Feb. 2020 - May 2021

- Supervisor: Ka Ho Law
- Redesigned lecture materials to enhance remote teaching effectiveness
- Developed computational-exercise generating algorithms for a linear algebra course
- Co-authored an educational storybook about fair division for local secondary school students

Department of Mathematics, The University of Hong Kong

Hong Kong

Student Teaching Assistant, Linear Algebra I

Oct. 2019 - Dec 2019

- Lecturer: Ka Ho Law

Census & Statistics Department, Hong Kong Government

Hong Kong

Summer Intern

Jul. 2019 - Aug. 2019

- Assisted migration of data analysis applications from FoxPro to Microsoft Access

Department of Computer Science, The University of Hong Kong

Hong Kong

Student Research Assistant

Jul. 2018 - Aug. 2018

- Supervisor: Hing Fung Ting
- Conducted a technical survey on current AR mobile apps and software development kits

PUBLICATIONS

Conference Papers

- Zhiyi Huang, **Chui Shan Lee**, Jianqiao Lu, and Xinkai Shu. *Online Matching Meets Sampling Without Replacement*. In Proceedings of the 20th International Conference on Web and Internet Economics (**WINE 2024**).
- T.-H. Hubert Chan and **Chui Shan Lee**. *On the Hardness of Opinion Dynamics Optimization with L_1 -Budget on Varying Susceptibility to Persuasion*. In Proceedings of the 27th International Conference on Computing and Combinatorics (**COCOON 2021**).

Book

- Ka Ho Law and **Chui Shan Lee**. 排難解紛的數學——公平分配 [Mathematics of resolving disputes: Fairness in sharing]. Hong Kong Education Bureau, 2021.

HONOURS AND AWARDS

- Dean's Honours List, 2017-18, 2018-19, 2020-21
- Hong Kong PhD Fellowship (HKPF)
- HKU Presidential PhD Scholar (HKU-PS)