

Curriculum Vitae of Chui Shan Lee (李翠珊)

Contact Information

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Research Interests

Theoretical Computer Science – Online Algorithms

Education

The University of Hong Kong <i>Ph.D. Computer Science</i> Advisor: Zhiyi Huang	Hong Kong Sept. 2021 – Present
The University of Hong Kong <i>BEng in Engineering Science, First Class Honours</i> GPA: 4.00/4.30 Majors: Computing and Data Analytics, Mathematics Advisor: T.-H. Hubert Chan, Zhiwen Zhang	Hong Kong Sept. 2017 – Jul. 2021

Internship

Census & Statistics Department, Hong Kong Government Labour/Employment Statistics & Central Register of Establishment <i>Summer Intern</i>	Hong Kong Jun. 2019 – Aug. 2019
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Conference Publications

Authors are listed in alphabetical order following the traditions of theoretical computer science.

The Long Arm of Nashian Allocation in Online p-Mean Welfare Maximization

Zhiyi Huang, **Chui Shan Lee**, Xinkai Shu, Zhaozi Wang

52nd International Colloquium on Automata, Languages, and Programming (ICALP 2025)

Online Matching Meets Sampling Without Replacement

Zhiyi Huang, **Chui Shan Lee**, Jianqiao Lu, Xinkai Shu

20th Conference on Web and Internet Economics (WINE 2024)

On the Hardness of Opinion Dynamics Optimization with L₁-Budget on Varying

Susceptibility to Persuasion

T.-H. Hubert Chan, **Chui Shan Lee**

27th International Conference on Computing and Combinatorics (COCOON 2021)

Book Publication

Mathematics of Resolving Disputes: Fairness in Sharing (in Chinese)

Ka Ho Law, **Chui Shan Lee**

Hong Kong Education Bureau, Curriculum Development Institute, 2021

ISBN: 978-988-8581-08-5

Theses

Budgeted Opinion Dynamics with Varying Susceptibility to Persuasion

Chui Shan Lee

Bachelor thesis, advised by Prof. T.-H. Hubert Chan, 2021

Neural Networks for Nonconvex Energy Minimization

Chui Shan Lee

Bachelor thesis, advised by Prof. Zhiwen Zhang, 2021

Working Paper

Notes on Consistency-Robustness Trade-off in Optimal Stopping

Tian Bai, Zhiyi Huang, Dongchen Li, **Chui Shan Lee**

Talks

Online Matching Meets Sampling Without Replacement

- Conference on Web and Internet Economics (**WINE**), Edinburgh, UK, July 2024

On the Hardness of Opinion Dynamics Optimization with L₁-Budget on Varying Susceptibility to Persuasion

- International Conference on Computing and Combinatorics (**COCOON**), Tainan, Taiwan (virtual talk), October 2021

Teaching

Teaching at the University of Hong Kong

Fall 2019, Fall 2020, Spring 2021 Student Teaching Assistant of Linear Algebra I

Spring 2022, Spring 2023 Teaching Assistant of Design and Analysis of Algorithms

Awards and Scholarships

- **HKU Presidential PhD Scholarship**, 2021
- **Hong Kong PhD Fellowship**, 2021
- Dean's Honours List, 2018 & 2019 & 2021
- Y S and Christabel Lung Postgraduate Scholarship, 2021
- Y S and Christabel Lung Undergraduate Scholarship, 2017-2020
- Tang Pak Kau Scholarships, 2017