

# Curriculum Vitae of Chui Shan Lee (李翠珊)

## Contact Information

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## Research Interests

Theoretical Computer Science – Online Algorithms

## Education

<b>The University of Hong Kong</b> <i>Ph.D. Computer Science</i> Advisor: Zhiyi Huang	Hong Kong Sept. 2021 – Present
<b>The University of Hong Kong</b> <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

<b>Census &amp; Statistics Department, Hong Kong Government</b> 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.

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

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

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

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

*Online matching meets sampling without replacement*

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

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

*On the Hardness of Opinion Dynamics Optimization with  $L_1$ -Budget on Varying Susceptibility to Persuasion*

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

## Book Publication

Ka Ho Law, **Chui Shan Lee**

*Mathematics of resolving disputes: Fairness in sharing (in Chinese)*

Hong Kong Education Bureau, Curriculum Development Institute, 2021

ISBN: 978-988-8581-08-5

## Theses

**Chui Shan Lee**

*Budgeted Opinion Dynamics with Varying Susceptibility to Persuasion*

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

**Chui Shan Lee**

*Neural Networks for Nonconvex Energy Minimization*

Bachelor thesis, advised by Prof. Zhiwen Zhang, 2021

## Talks

Online matching meets sampling without replacement

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

On the Hardness of Opinion Dynamics Optimization with  $L_1$ -Budget on Varying

## Susceptibility to Persuasion

- International Conference on Computing and Combinatorics (**COCOON**), 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