

# 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

*Ph.D. Computer Science*

Advisor: Zhiyi Huang

Hong Kong

*Sept. 2021 – Present*

### The University of Hong Kong

*BEng in Engineering Science, First Class Honours*

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

*Summer Intern*

Hong Kong

*Jun. 2019 – Aug. 2019*

## 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 $L_1$ -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 $L_1$ -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