

# Chung-Wei Lee



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## – Research Interests

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Theoretical Machine Learning, with a focus on Online Learning, Learning with Partial Feedback (e.g. Multi-armed Bandits, Partial Monitoring, Graph Feedback Bandits...), and their connections to Game Theory and Social Sciences.

## – Education

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### University of Southern California

Aug 2018 – May 2023 (expected)

- Ph.D. in Computer Science, advised by Prof. Haipeng Luo.

### National Taiwan University

Sep 2013 – Jan 2018

- B.S. in Electrical Engineering and Mathematics, minor in Computer Science.

## – Publications

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- Yifang Chen, **Chung-Wei Lee**, Haipeng Luo, Chen-Yu Wei<sup>1</sup>, A New Algorithm for Non-stationary Contextual Bandits: Efficient, Optimal, and Parameter-free. Annual Conference on Learning Theory (COLT) 2019 [[arXiv](#)]
- **Chung-Wei Lee**<sup>\*2</sup>, Wei Fang\*, Chih-Kuan Yeh, Yu-Chiang Frank Wang, Multi-Label Zero-Shot Learning with Structured Knowledge Graphs. IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2018 [[arXiv](#)]

## – Honors & Awards

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### COLT 2019 Travel Award

Jun 2019

- Awarded to the student authors participating the COLT conference.

### USC Annenberg Fellowship

Aug 2018 – Jul 2019

- Fellowship support for the PhD study.

### Presidential Award (Twice)

Spring 2014, Spring 2016

- Awarded to the students with top 5% GPA in department for that semester.

## – Work Experiences

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### Teaching Assistant, Theoretical Machine Learning (CSCI 699) at USC

Fall 2019

### Research Mentor, USC Viterbi SHINE Program

Jun 2019 – Aug 2019

- To Prof. Haipeng Luo; guided a local high school student to do research in computer science. Specifically, built an AI to beat humans in repeated Rock–paper–scissors games. An application of sleeping experts and AdaNormalHedge.

### Teaching Assistant, Algorithms (EE4033) at NTU

Fall 2017

## – Service

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Reviewer: NeurIPS 2019

## – Skills

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Proficient Programming Languages: C/C++, Python, MATLAB, R, javascript, L<sup>A</sup>T<sub>E</sub>X

Languages: Mandarin Chinese (native), English (proficient)

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<sup>1</sup>alphabetical order

<sup>2\*</sup> indicates equal contributions