

Shuai Li (李帅)

Gender: Female

Mail Address: Rm 117, Ho Sin-Hang Engineering Building, CUHK, Sha Tin, NT, HK

E-mail: shuaili@cse.cuhk.edu.hk

Web page: <http://appsrv.cse.cuhk.edu.hk/~shuaili/>

Education

Aug 2015-now The Chinese University of Hong Kong
 PhD program in Computer Science & Engineering
2015 University of Chinese Academy of Sciences (Master's Degree in Math)
2011 Zhejiang University (Bachelor's Degree in Math)
 Chu Kochen Honors College (GPA: 3.92/4.00)

Research Interest

Interests: Online Learning, Multi-armed Bandits, Reinforcement Learning
My research interest lies at online learning and multi-armed bandits and focuses on online learning algorithms and the regret analysis. My current major research topic is online learning to rank with click models. I am also interested in general online learning problems, applying bandit algorithms in online recommendations and applying bandit algorithms in Monte-Carlo tree search.

Publications

- Tor Lattimore, Branislav Kveton, **Shuai Li**, Csaba Szepesvai, *TopRank: A Practical Algorithm for Online Stochastic Ranking*, NIPS 2018.
- **Shuai Li**, Yasin Abbasi-Yadkori, Branislav Kveton, S. Muthukrishnan, Vishwa Vinay and Zheng Wen, *Offline Evaluation of Ranking Policies with Click Models*, KDD 2018, research track.
- Weiwen Liu, **Shuai Li**, Shengyu Zhang, *Exploration in Web Page Recommendation: A Contextual DCM Bandit Approach*, COCOON 2018.
- **Shuai Li**, Shengyu Zhang, *Online Clustering of Contextual Cascading Bandits*, AAAI, 2018.
- **Shuai Li**, Baoxiang Wang, Shengyu Zhang, Wei Chen, *Contextual combinatorial cascading bandits*, ICML 2016.
- Pengfei Liu, **Shuai Li**, Weiyang Yi, Kwong-Sak Leung, *A Hybrid Distributed Framework for SNP Selections*, the 22nd International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA), 2016.
- **Shuai Li**, Xiaoqian Xu, Guojin Wang, *Design for triangular rational Bézier harmonic and biharmonic surfaces*, Journal of Zhejiang University (Science Edition), 2012(2):152-158.

Under Submissions

- **Shuai Li**, Wei Chen, Zheng Wen, Kwong-Sak Leung, *Online Stochastic Learning with Stochastic Feedback Graph*, ongoing.

- **Shuai Li**, Tor Lattimore, Csaba Szepesvari, *Online Learning to Rank with Features*.
- **Shuai Li**, Wei Chen, S Li, Kwong-Sak Leung, *Improved Algorithm on Clustering of Bandits via set representations*.
- S Li, **Shuai Li**, Kwong-Sak Leung, *Generalized Clustering Bandits*.
- **Shuai Li**, Tong Yu, Ole Mengshoel, Kwong-Sak Leung, *Online Semi-Supervised Learning with Large Margin Separation*.
- Xiaojin Zhang, **Shuai Li**, Shengyu Zhang, *Contextual Combinatorial Conservative Bandits*.
- Pengfei Liu, **Shuai Li**, Kwong-Sak Leung, *The Recovery of Stochastic Differential Equations with Genetic Programming and Kullback-Leibler Divergence*.

Internships & Research Experiences

- 2018.4.30-8.31 Research Intern of Prof. Csaba Szepesvari and Tor Lattimore on the topic of contextual online learning to rank at DeepMind, London, UK.
- 2017.6.5-11.10 Data Science Research Intern of Dr. Branislav Kveton on the topic of offline evaluation for ranking policies with click models at Adobe, San Jose, CA, US.
- 2017.1.16-5.6 Visiting student in the program of Foundation of Machine Learning, Simons institute, University of California Berkeley, CA, US.
- 2016.10-2018.5 Research collaborations with Prof. Bogdan Cautis of Noah's Ark Lab of Huawei, Prof. Shengyu Zhang and Weiwen Liu of CUHK, on contextual bandits.
- 2016.8.22-26 Attended the Algorithms and Uncertainty Boot Camp of Simons Institute, University of California, Berkeley, US.
- 2016.6.27-2016.8.21 Research assistant with Prof. Csaba Szepesvari of University of Alberta, Canada, on the generalized linear bandits.
- 2015.4-6 Visited Dr. Wei Chen of Microsoft Research Asia, Beijing, on the multi-armed bandit problem.
- 2014.11-2015.4 Research Assistant with Prof. Shengyu Zhang in the Chinese University of Hong Kong on the multi-armed bandit problem.
- 2013.8-2014.5 Teaching Assistant with Prof. Liming Ge in the University of New Hampshire, US.

Talks & Posters

- AAAI 2018 (spotlight & poster)
- ICML 2016 (oral & poster), 2018 (poster)
- KDD 2018 (oral & poster)
- NIPS 2016
- WIML 2016 (poster)
- The International Doctoral Forum (oral), Hong Kong, 2016.10.28-30.

Awards

2018 Google PhD Fellowship.
 Reach out award, CUHK.

- Student travel award in AAAI 2018, KDD 2018.
- 2017 Recipient of Overseas Research Attachment Program, CUHK.
- 2016 Student travel award in ICML 2016, NIPS 2016, WIML 2016.
- 2012 Outstanding Student, University of Chinese Academy of Sciences.
- 2011 Certificate of Excellence Chu Kochen Honors Program, Zhejiang University (30/5500)

Professional Services

- 2018 Conference reviewer for NIPS-2018
Conference sub-reviewer for IJCAI-2018, ICML-2018, UAI-2018, AAAI-2019, BIBM-2018
Journal reviewer for PALADYN, JSDT
Journal sub-reviewer for IEEE SIPN
- 2017 Conference reviewer for AAAI-2018
Conference sub-reviewer for AISTATS-2018
Journal reviewer for TCS

Teaching Experience

- 2018 Fundamentals of Artificial Intelligence (undergraduate-level, TA)
Compiler Construction (undergraduate-level, TA)
- 2016 Probability and Statistics for Engineers (undergraduate-level, TA)
Randomness and Computation (graduate-level, TA)
- 2015 Analysis of Boolean Functions (graduate-level, TA)
Topics in Theoretical Computer Science (graduate-level, TA)
- 2014 Calculus II (undergraduate-level, TA)
- 2013 Calculus I (undergraduate-level, TA)