Yongho Shin

Dept. of Computer Science, Yonsei University
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Current Position	Graduate student, Yonsei University, South Korea Advisor: Hyung-Chan An	Mar 2018 - present
Education	B.S. in Computer Science, Yonsei University, South Korea Awarded *high honors at graduation*	Feb 2018
Research Interests	Combinatorial optimization Approximation algorithms Online algorithms and competitive analysis Theoretical computer science	

Research Papers

Y. Shin, C. Lee, G. Lee, and H.-C. An. Improved learning-augmented algorithms for the multi-option ski rental problem via best-possible competitive analysis. *arXiv preprint arXiv:2302.06832*, 2023.

K. Kim, Y. Shin, and H.-C. An. Constant-factor approximation algorithms for parity-constrained facility location and *k*-center. *Algorithmica*, 2022.
> K. Kim, Y. Shin, and H.-C. An. Constant-factor approximation algorithms for the parity-constrained facility location problem. In *ISAAC 2020: Proceedings of the 31st International Symposium on Algorithms and Computation*, pages 21:1-21:17, 2020.

Y. Shin and H.-C. An. Making three out of two: three-way online correlated selection. In *ISAAC 2021: Proceedings of the 32nd International Symposium on Algorithms and Computation*, pages 49:1-49:17, 2021.

Y. Shin, K. Kim, S. Lee, and H.-C. An. Online graph matching problem with a worst-case reassignment budget. *arXiv preprint arXiv:2003.05175*, 2020.

Awards	*High honors at graduation*, Yonsei University	Feb 2018

Experience

Visiting research intern, Cornell University Host: David B. Shmoys	Sep 2022 - Dec 2022
Teaching assistant, Yonsei University	
CSI 2103 (Data structures)	Spring 2018-2021
CCO 2103 (Data structures)	Spring 2023
CSI 3108 (Algorithm analysis)	Fall 2018-2021
Research intern, Yonsei University Advisor: Hyung-Chan An	Jan 2017 - Feb 2018
Programmer, Republic of Korea Air Force	Nov 2013 - Aug 2015