

Rudy B. Zhou

Address

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North Wales, PA 19454

Contact Information

rbz@andrew.cmu.edu
<https://rudyzhou.github.io/>

Research Interests

Combinatorial Optimization, Approximation Algorithms, Convex Relaxations, Stochastic Optimization

Education

PhD Algorithms, Combinatorics, and Optimization
Carnegie Mellon University
Advisor: Ben Moseley

2018 - 2023 (Expected)
GPA 3.89/4.00

MS Computer Science
Washington University in St. Louis
Advisor: Brendan Juba

2016 - 2017
GPA 3.84/4.00

BA Mathematics
Washington University in St. Louis

2012 - 2016
GPA 3.98/4.00

Work Experience

Trader Intern
IMC Financial Markets, Chicago, IL

Summer 2014

Information Technology Intern
Merck and Co., Beijing, China

Summer 2013

Publications

Author order is alphabetical by last name unless otherwise noted by (★).

- Anupam Gupta, Ben Moseley, Rudy Zhou
Structural Iterative Rounding for Generalized k -Median Problems
arXiv:2009.00808 [cs.DS]. <https://arxiv.org/abs/2009.00808>.
- Rudy Zhou, Han Liu, Tao Ju, Ram Dixit (★)
Quantifying the polymerization dynamics of plant cortical microtubules using kymograph analysis
Methods in Cell Biology, Academic Press, 2020. ISSN 0091-679X. <https://doi.org/10.1016/bs.mcb.2020.04.006>.
- Sungjin Im, Mahshid Montazer Qaem, Benjamin Moseley, Xiaorui Sun, Rudy Zhou
Fast Noise Removal for k -Means Clustering
Proceedings of the Twenty Third International Conference on Artificial Intelligence and Statistics (AISTATS), PMLR 108:456-466, 2020. <http://proceedings.mlr.press/v108/im20a>.

Teaching Experience

Teaching Assistant at Carnegie Mellon University: Graph Theory (Fall 2020)

Teaching Assistant at Washington University in St. Louis: Computational Geometry (Fall 2017), Object-Oriented Software Development Laboratory (Spring 2017)

Professional Service

Reviewer for: Transactions of Knowledge and Data Engineering (TKDE)

Honors

- *William Larimer Mellon Fellowship (2018-2023)*
- *Distinction in Mathematics (2016)*
- *College Honors in Arts & Sciences (2016)*

Skills

Computer: *C++, Java, Python*

Spoken Languages: *English (native), German (proficient)*