

## Rudy B. Zhou

### Address

5 Bayard Rd, Apt 907  
Pittsburgh, PA 15213

### Contact Information

rbz@andrew.cmu.edu  
somewebsite

### Research Interests

Combinatorial Optimization, Stochastic Optimization, Approximation Algorithms

### 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)*