

Ruizhe Zhang

| | | |
|----------------------|--|--|
| CONTACT INFORMATION | Department of Computer Science 2317 Speedway, Stop D9500 Austin, Texas 78712, USA | (512) 939-7564 ruizhe@utexas.edu https://www.cs.utexas.edu/~rzzhang/ |
| RESEARCH INTERESTS | My research interests mainly lay in theoretical computer science. Currently I'm working on quantum algorithms and complexity, coding theory, geometry of polynomials, and concentration of measure. I am always open to new topics. | |
| EDUCATION | The University of Texas at Austin Ph.D. in Computer Science Advisor: Dana Moshkovitz | 2018 - present |
| | Fudan University B.S. in Computer Science, <i>Honor Class</i> | 2014 - 2018 |
| EXPERIENCE | The University of Texas at Austin , Austin, TX Research Assistant Advisor: Dana Moshkovitz | 08/2018 - present |
| | ITCS at SUFE , Shanghai, China Research Assistant Mentors: Jin-Yi Cai, Richard Peng | Summer 2017 |
| PUBLICATIONS | [1] Scott Aaronson, Nai-Hui Chia, Han-Hsuan Lin, Chunhao Wang, Ruizhe Zhang . On the Quantum Complexity of Closest Pair and Related Problems. In <i>Proceedings of the 35th Computational Complexity Conference (CCC)</i> , 2020. [2] Scott Aaronson, Jiahui Liu, Qipeng Liu, Mark Zhandry, Ruizhe Zhang . New Approaches for Quantum Copy-Protection. <i>CoRR</i> , abs/2004.09674 . [3] Yuxuan Zhang, Ruizhe Zhang , Andrew C. Potter. QED driven QAOA for network-flow optimization. <i>CoRR</i> , abs/2006.09418 . [4] Zhao Song, Ruizhe Zhang . Hyperbolic Polynomials I: Concentration and Discrepancy. <i>CoRR</i> , abs/2008.09593 . | |
| TALKS | On the Quantum Complexity of Closest Pair and Related Problems <ul style="list-style-type: none">– Computational Complexity Conference (CCC 2020)– The 15th Conference on the Theory of Quantum Computation, Communication and Cryptography (TQC 2020) | Sept, 2020 Aug, 2020 |
| TEACHING EXPERIENCES | At UT Austin <ul style="list-style-type: none">– TA for CS388T, Theory of Computation (graduate class) At Fudan University <ul style="list-style-type: none">– TA for Data Structure | Spring 2020 Fall 2016 |
| SELECTED AWARDS | Fudan University First Prize Scholarship, Wonders Information The ACM-ICPC Asia Regional Contest Gold Medal, Shanghai Site The ACM-ICPC Asia Regional Contest Gold Medal, Hefei Site | 2017 2015 2015 |