Ridwan Syed

Work Experience

Research Assistant UT Austin Computer Science Department   Aug 2016 - Jan 2021
- Conducted basic research in fundamental areas of computer science including *algorithms, cryptography, optimization, and quantum computing,* under faculty supervision.
- Published and presented results in leading international venues and conferences.

Teaching Assistant UT Austin Computer Science Department   Aug 2016 - Jan 2021
- Supported course instruction by preparing and presenting course materials, grading assignments, and holding office hours.
- Courses : Elements of Computers and Programming (Python), Cryptography, Approximation Algorithms, Approximability, Theory of Computation

Intern Toyota Technological Institute at Chicago   Summer 2014, 2015, 2016
- Conducted research on approximation algorithms and hardness of approximation, under faculty supervision.

Technical Assistant Theory of Computing   Feb 2014 - Jul 2016
- Technical assistant to editor in chief of academic journal.
- Updated and streamlined category search system for journal articles.

Education

Jan 2021	M.S. in Computer Science at **University of Texas at Austin**	Austin, Texas, USA
Jun 2016	B.S. in Computer Science w/ Honors at **University of Chicago**	Chicago, Illinois, USA
Jun 2016	B.A. in Mathematics at **University of Chicago**	Chicago, Illinois, USA

Publications[1]

Syed, Ridwan and Madhur Tulsiani (2016). "Proving Weak Approximability Without Algorithms". In: *Approximation, Randomization, and Combinatorial Optimization. Algorithms and Techniques, APPROX/RANDOM 2016, September 7-9, 2016, Paris, France.*

Gál, Anna and Ridwan Syed (2021). "Upper Bounds on Communication in Terms of Approximate Rank". In: *Computer Science - Theory and Applications - 16th International Computer Science Symposium in Russia, CSR 2021, Sochi, Russia, June 28 - July 2, 2021, Proceedings.*

Goyal, Rishab, Ridwan Syed, and Brent Waters (2021). "Bounded Collusion ABE for TMs from IBE". In: *Advances in Cryptology - ASIACRYPT 2021 - 27th International Conference on the Theory and Application of Cryptology and Information Security, Singapore, December 6-10, 2021, Proceedings, Part IV.*

Skills

Programming	Python, C, Elm, Racket
Other	LaTeX, SAS, SPSS

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[1]As per the custom in computer science and mathematics, authors are listed in alphabetical order.