Curriculum Vitae

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March 2, 2021

Education

- MSc in Computer Science, University of Toronto, Jan. 2019.
  - Thesis: *Beating Treewidth for Average-Case Subgraph Isomorphism.*
  - Supervised by Benjamin Rossman.
- BA in Mathematics *cum laude* with a minor in Computer Science, Cornell University, May 2017.

Research Papers

Rosenthal, Gregory. "Beating Treewidth for Average-Case Subgraph Isomorphism". In: *Algorithmica* (2021). DOI: 10.1007/s00453-021-00813-y. arXiv: 1902.06380. **Special Issue** for IPEC 2019.

Rosenthal, Gregory. "Bounds on the QAC^0 Complexity of Approximating Parity". In: *12th Innovations in Theoretical Computer Science Conference (ITCS 2021)*. Vol. 185. 2021, 32:1–32:20. DOI: 10.4230/LIPIcs.ITCS.2021.32. arXiv: 2008.07470. **Best Student Paper Award**.

Rosenthal, Gregory. "Beating Treewidth for Average-Case Subgraph Isomorphism". In: *14th International Symposium on Parameterized and Exact Computation (IPEC 2019)*. Vol. 148. 2019, 24:1–24:14. DOI: 10.4230/LIPIcs.IPEC.2019.24. arXiv: 1902.06380. **Best Student Paper Award**.

Scholarships

- NSERC (PGS D), Sep. 2019 – Aug. 2022.
- C.C. Gotlieb (Kelly) Graduate Fellowship in the Department of Computer Science, University of Toronto, Nov. 2018.
  - Awarded on the basis of academic merit (research and coursework).

Service

- Reviews: CCC 2021, *SIAM J. Comput.*, QIP 2020, subreview for FOCS 2019.

- Social Coordinator (Cookiemaster) of the University of Toronto Computer Science Graduate Student Benevolent Society (CSGSBS), Jan. 2018 – July 2019.
  - Each week a student would volunteer to bring in food to share; I coordinated logistics and reimbursement.

Employment

Teaching Assistantships (University of Toronto)

- Fall 2020: Topics in the Theory of Computation: Advanced Topics in Quantum Information Theory (CSC 2429), half TAship
- Fall 2020: Fundamentals of Cryptography (CSC 2426), half TAship
- Summer 2020: Numerical Methods (CSC 336)
- Winter 2020: Computational Complexity and Computability (CSC 463)
- Fall 2019: Algorithm Design, Analysis and Complexity (CSC 373)
- Summer 2019: Data Structures and Analysis (CSC 263)
- Winter 2019: Algorithms for Collective Decision Making (CSC 2556)
- Fall 2018: Quantum Computing: Foundations to Frontier (CSC 2451)
- Summer 2018: Mathematical Expression and Reasoning for Computer Science (CSC 165)
- Winter 2018: Advanced Algorithm Design (CSC 473)
- Fall 2017: Algorithm Design, Analysis and Complexity (CSC 373)

Teaching Assistantships (Cornell University)

- Spring 2016: Introduction to Analysis of Algorithms (CS 4820)

AwesomeMath Summer Program (AMSP)

- Resident Advisor, Summer 2013 and Summer 2014.