Daniel Halpern

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Education

Harvard University — 2020 - Present
Ph.D. in Computer Science
Advisor: Ariel Procaccia

University of Toronto, St. George — 2016 - 2020
B.Sc. with High Distinction, Computer Science
Major GPA: 4.0/4.0, Cumulative GPA: 3.96/4.0

Work Experience

Research Intern — June 2019 - August 2019
Carnegie Mellon University
Pittsburgh, PA

- Worked with Professor Ariel Procaccia
- Research in topics related to Algorithmic Game Theory

Software Developer — April 2018 - Present
CryptoNumerics
Toronto, ON

- One of first employees at startup working on machine learning and cryptography
- Leader of several small projects in Python, Java, and Javascript

Teaching Experience

Data Structures and Analysis (CSC263), U of T — Spring 2020
Undergraduate Teaching Assisstant

Algorithm Design, Analysis & Complexity (CSC373), U of T — Spring 2020
Undergraduate Teaching Assisstant

Awards

University of Toronto Computer Science Undergraduate Research Award	2020
Harold Willet Stewart Memorial Scholarship	2020
Anna And Alex Beverly Memorial Fellowship	2020
Samuel Beatty In Course Scholarship	2019
C. L. Burton Scholarship For Mathematics And Physical Sciences	2019
Dr. James A. & Connie P. Dickson Scholarship In Science & Mathematics	2018
Alan Milne McCombie Scholarship	2017
University of Toronto President's Scholars of Excellence Program	2016

Papers

D. Halpern and N. Shah. Fair Division with Subsidy. *Proceedings of the 12th International Symposium on Algorithmic Game Theory (SAGT)*, 2019, pp. 374-389

D. Halpern, A. Procaccia, A. Psomas, and N. Shah. Fair Division with Binary Valuations: One Rule to Rule Them All. *In preparation*.

V. Gkatzelis, D. Halpern, and N. Shah. Resolving the Optimal Metric Distortion Conjecture. *In preparation*.