

# DANIEL HALPERN

165 Huron St, Toronto, ON, M5T2B6 | +1 (607) 227-4045 | dhalpern@g.harvard.edu | <https://dhalpern13.github.io>

## EDUCATION

### Harvard University

Ph.D. in Computer Science

- Advisor: Ariel Procaccia

Cambridge, MA

August 2020 to present

### University of Toronto

B.Sc. in Computer Science with High Distinction

- Major GPA: 4.0/4.0, Cumulative GPA: 3.96/4.0

Toronto, ON

September 2016 to June 2020

## WORK EXPERIENCE

### Carnegie Mellon University

Research Intern

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

Pittsburgh, PA

June 2019 - August 2019

### CryptoNumerics

Software Developer

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

Toronto, ON

April 2018 - July 2020

## TEACHING EXPERIENCE

### University of Toronto

Undergraduate Teaching Assistant

- Data Structures and Analysis (CSC263)

Toronto, ON

Spring 2020

### University of Toronto

Undergraduate Teaching Assistant

- Algorithm Design, Analysis & Complexity (CSC373)

Toronto, ON

Spring 2020

## AWARDS

- |   |      |
|---|------|
| • University of Toronto Computer Science Undergraduate Research Award<br>\$6000 award for undergraduate summer research | 2020 |
| • Harold Willet Stewart Memorial Scholarship<br>\$2080 graduating year award  | 2020 |
| • Anna And Alex Beverly Memorial Fellowship<br>\$1000 graduating year award   | 2020 |
| • Samuel Beatty In Course Scholarship<br>\$1500 given for academic achievement  | 2019 |
| • C. L. Burton Scholarship For Mathematics And Physical Sciences<br>\$500 given for academic achievement                | 2019 |
| • Dr. James A. & Connie P. Dickson Scholarship In Science & Mathematics<br>\$500 given for academic achievement         | 2018 |
| • Alan Milne McCombie Scholarship<br>\$250 given for academic achievement   | 2017 |
| • University of Toronto President's Scholars of Excellence Program<br>\$10,000 incoming student scholarship             | 2016 |

## PUBLICATIONS

- D. Halpern, G. Kehne, D. Peters, A. D. Procaccia, N. Shah, P. Skowron. *Aggregating Binary Judgments Ranked By Accuracy*. Proc. of 35th AAAI Conference on Artificial Intelligence (AAAI), 2021. Forthcoming.
- D. Halpern, A. D. Procaccia, A. Psomas, and N. Shah. *Fair Division with Binary Valuations: One Rule to Rule Them All*. Proc. of 16th Conference on Web and Internet Economics (WINE), 2020. Forthcoming.
- D. Halpern, N. Shah, and V. Gkatzelis. *Resolving the Optimal Metric Distortion Conjecture*. Proc. of 61st Annual IEEE Symposium on Foundations of Computer Science (FOCS), 2020. Forthcoming.
- D. Halpern and N. Shah. *Fair Division with Subsidy*. Proceedings of the 12th International Symposium on Algorithmic Game Theory (SAGT), 2019, pp. 374-389