DANIEL HALPERN

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EDUCATION

Harvard University — **Cambridge, MA**
Ph.D. in Computer Science — *August 2020 to present*
- Advisor: Ariel Procaccia

University of Toronto — **Toronto, ON**
B.Sc. in Computer Science with High Distinction — *September 2016 to June 2020*
- Major GPA: 4.0/4.0, Cumulative GPA: 3.96/4.0

WORK EXPERIENCE

Carnegie Mellon University — **Pittsburgh, PA**
Research Intern — *June 2019 - August 2019*
- Worked with Professor Ariel Procaccia
- Research in topics related to Algorithmic Game Theory

CryptoNumerics — **Toronto, ON**
Software Developer — *April 2018 - July 2020*
- One of the first employees at start up working on machine learning and cryptography
- Leader of several projects in Python, Java, and Javascript

TEACHING EXPERIENCE

University of Toronto — **Toronto, ON**
Undergraduate Teaching Assistant — *Spring 2020*
- Data Structures and Analysis (CSC263)

University of Toronto — **Toronto, ON**
Undergraduate Teaching Assistant — *Spring 2020*
- Algorithm Design, Analysis & Complexity (CSC373)

AWARDS

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

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**), pp. 370-383, 2020.
- V. Gkatzelis, D. Halpern, and N. Shah. *Resolving the Optimal Metric Distortion Conjecture*. Proc. of 61st Annual IEEE Symposium on Foundations of Computer Science (**FOCS**), pp. 1427-1438, 2020.
- D. Halpern and N. Shah. *Fair Division with Subsidy*. Proceedings of the 12th International Symposium on Algorithmic Game Theory (**SAGT**), pp. 374-389, 2019.