D Ellis Hershkowitz

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EDUCATION

Carnegie Mellon University — Pittsburgh, PA
Ph.D. Computer Science, Advised by Bernhard Hauepler — *Fall 2016-*

Brown University — Providence, RI
M.S. Computer Science — *Class of 2016*
- GPA: 4.0

B.A. Computer Science, Honors Recipient; B.A. Philosophy — *Class of 2015*
- GPA: 4.0

PUBLICATIONS

Prepare for the Expected Worst: New Two-Stage Covering Models and Algorithms
(with Sahil Singla, R Ravi)
Preprint.

A Computational Approach to Organizational Structure
(with Bernhard Haeupler, Anson Kahng, Ariel Procaccia)
arXiv Preprint.

Erasure Correction for Noisy Radio Networks
(with Keren Censor-Hillel, Bernhard Haeupler, Goran Zuzic)
arXiv Preprint.

Round- and Message-Optimal Distributed Graph Algorithms
(with Bernhard Haepler, David Wajc)
Principles of Distributed Computing (PODC) 2018.

Broadcasting in Noisy Radio Networks
(with Keren Censor-Hillel, Bernhard Haeupler, Goran Zuzic)
Principles of Distributed Computing (PODC) 2017.

Near Optimal Behavior via Approximate State Abstraction
(with David Abel, Michael Littman)
International Conference on Machine Learning (ICML) 2016.

Goal-based Action Priors
(with David Abel, . . . , Stefanie Tellex)
Int'nl Conference on Automated Planning and Scheduling (ICAPS) 2015.

RESEARCH EXPERIENCE

Carnegie Mellon University, Prof. Bernhard Hauepler — Pittsburgh, PA
Ph.D. Research — *Fall 2016-*

Brown University R.L. Group, Prof. Michael Littman — Providence, RI
Master's Research — *Fall 2015-Fall 2016*

Brown University Humans to Robots Lab, Prof. Stefanie Tellex — Providence, RI
Undergraduate Research — *Spring 2014-Fall 2016*

National Institutes of Health — Bethesda, MD
Summer Research Intern, Section on Integrative Neuroimaging — *Summer 2013*

Summer Research Intern, Molecular Genetics Unit — *Summers 2010, 2012*

INDUSTRY EXPERIENCE

Google Inc. — Mountain View, CA
Software Engineering Intern, Apps Discovery Team — *Summer 2015*

Chai Energy — Los Angeles, CA
Backend Data Analyst (part time) — *Spring 2014-Fall 2014*

TEACHING EXPERIENCE

Carnegie Mellon Computer Science Department — Pittsburgh, PA
Graduate Teaching Assistant, Graduate Complexity Theory (15-855) — *Fall 2017*

Graduate Teaching Assistant, Undergraduate Complexity (15-455) — *Spring 2017*

Brown University Department of Computer Science — Providence, RI
Teaching Assistant, Introduction for Non-Majors (CS8) — *Spring 2016*

Teaching Assistant, Artificial Intelligence (CS141) — *Fall 2014*

Teaching Assistant, Integrated Intro to CS (CS17, CS18) — *Fall 2013, Spring 2014*

AWARDS

NSF GRFP Honorable Mention 2016
Elected "Great Teaching Assistant" by department peers for Artificial Intelligence
Brown Computer Science Undergraduate Honors Degree
Magna Cum Laude 2015 (highest university honors)
Sigma Xi 2015

Professional Service

Organized CMU's Theory Lunch Fall 2017-Spring 2018
Reviewed Papers For: STACS 2018; DISC 2018; SODA 2019.