

CMU Ph.D. STUDENT IN THEORETICAL COMPUTER SCIENCE

5000 Forbes Ave, Computer Science Department, GHC 6105, Pittsurgh, PA
□ 703-965-4979 | ☑ dellishershkowitz@gmail.com | ♂ dhershko.github.io

Education _

Carnegie Mellon University

Pittsburgh, PA

Fall 2016 - Present

PH.D. IN COMPUTER SCIENCE

- Advised by Professor Bernhard Haeupler.
- Research in: approximation algorithms; distributed graph algorithms; hardness of approximation.
- Relevant coursework: Advanced Operating and Distributed Systems; A Theorist's Toolkit; Theoretical Computer Science's Greatest
 Hits; Programming Language Semantics; Random Graphs; Graduate Combinatorics (audit); Graduate Artificial Intelligence; Special
 Topics in Combinatorial Optimization.

Brown University Providence, RI

M.S. IN COMPUTER SCIENCE Fall 2015 - Spring 2016

- GPA: 4.0/4.0
- · Advised by Professor Michael Littman.
- · Research in: abstraction in reinforcement learning.
- Relevant coursework: Multiprocessor Synchronization; Learning and Sequential Decision Making; Advanced Deductive Logic; Cryptography.

B.A. IN COMPUTER SCIENCE AND PHILOSOPHY

Fall 2012 - Spring 2015

- GPA: 4.0/4.0
- · Advised by Professor Stefanie Tellex.
- Research in: Humans to Robots Lab in reinforcement learning as applied to robotics.
- Relevant coursework: Multivariable Calculus; Linear Algebra; 2 Semester Introductory Computer Science; Statistical Inference I; Statistical Inference II; Models of Computation; Logic; Design and Analysis of Algorithms; Topics in Advanced Algorithms.

Publications ____

Reverse Greedy is Bad for k-Center

In Submission

WITH GREGORY KEHNE

Prepare for the Expected Worst: New Two-Stage Covering Models and Algorithms

In Submission

WITH SAHIL SINGLA, R RAVI

A Computational Approach to Organizational Structure

In Submission

With Bernhard Haeupler, Anson Kahng, Ariel Procaccia

Erasure Correction for Noisy Radio Networks

In Submission

WITH KEREN CENSOR-HILLEL, BERNHARD HAEUPLER, GORAN ZUZIC

Round- and Message-Optimal Distributed Graph Algorithms

PODC 2018

WITH BERNHARD HAEPLER, DAVID WAJC

(Symposium on Principles of Distributed Computing 2018)

Broadcasting in Noisy Radio Networks

PODC 2017

WITH KEREN CENSOR-HILLEL, BERNHARD HAEUPLER, GORAN ZUZIC

(Symposium on Principles of Distributed Computing 2017)

Near Optimal Behavior via Approximate State Abstraction

ICML 2016

WITH DAVID ABEL, MICHAEL LITTMAN

(International Conference on Machine Learning 2016)

Goal-based Action Priors ICAPS 2015

WITH DAVID ABEL, GABRIEL BARTH-MARON, STEPHEN BRAWNER, KEVIN O'FARRELL, JAMES MACGLASHAN, STEFANIE TELLEX (International Conference on Automated Planning and Scheduling 2015)

D ELLIS HERSHKOWITZ · CV

Teaching Experience _____

Fall 2017	Graduate Complexity Theory (15-855), Graduate Teaching Assistant	Carnegie Mellon
Spring 2017	Undergraduate Complexity Theory (15-455), Graduate Teaching Assistant	Carnegie Mellon
Spring 2016	Introduction for Non-Majors (CS8), Teaching Assistant	Brown
Fall 2014	Artificial Intelligence (CS141), Teaching Assistant	Brown
Spring 2014	An Integrated Introduction to Computer Science (CS18), Teaching Assistant	Brown
Fall 2013	An Integrated Introduction to Computer Science (CS17), Teaching Assistant	Brown

Industry Experience _____

Google Inc.

Mountain View, CA

SOFTWARE ENGINEERING INTERN IN APPS DISCOVERY TEAM

Summer 2015

Chai Energy Los Angeles, CA

Backend Data Analyst (part time) Spring 2014-Fall 2014

Awards

2016	NSF Graduate Research Fellowships Program, honorable mention	
2015	$\textbf{Magna Cum Laude} \ , \ \text{highest university honors}$	Brown
2015	Computer Science Honors Degree, department-level honors	Brown
2015	Sigma Xi Honors Society, member	
2014	Great TA Award, elected "Great Teaching Assistant" for my work in Artificial Intelligence	Brown

Professional Service

2018-Present Reviewer, SODA 2019; DISC 2018; STACS 2018.

2017-Present Graduate Student Coordinator, helped organize department orientation for new students Carnegie Mellon 2017-2018 Theory Lunch Organizer, organized Carnegie Mellon University Theory Lunch Carnegie Mellon 2014-2016 Lab Organizer, managed weekly Humans to Robots lab meetings: e.g. scheduling talks Brown

Additional Research Experience _____

National Institutes of Health

Bethesda, MD

SUMMER RESEARCH INTERN IN SECTION ON INTEGRATIVE NEUROIMAGING AND MOLECULAR GENETICS UNIT

Summers 2010, 2012, 2013