

Computer Science & Engineering
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EDUCATION:

University of Washington, Seattle, WA 2014 – Present
Ph.D. Student in Computer Science and Engineering – GPA: 3.9
Masters in Computer Science and Engineering 2016
Advisor: Anna Karlin

Oberlin College, Oberlin, OH 2010 – 2014
Bachelor of Arts: Mathematics Major, Computer Science Minor – GPA: 3.85

Budapest Semesters in Mathematics, Budapest, Hungary Fall 2013
Honors, Study Abroad – GPA: 4.0

RESEARCH INTERESTS:

My interests lie in algorithmic mechanism design and approximation, in particular, in revenue maximization, simple mechanisms, non-traditional settings (e.g. prior-independent or risk-averse), and mechanisms that mitigate inequality.

AWARDS, SCHOLARSHIPS, AND DISTINCTIONS:

Microsoft Research PhD Fellowship 2017
Facebook Fellowship Finalist
UW Society for Women Engineers Evening With Industry Outstanding Female Award
Google Anita Borg Memorial Scholarship 2016
NSF Graduate Research Fellowship Program: Honorable Mention
National Defense in Science and Engineering Fellowship: Alternate Selectee
NSF Graduate Research Fellowship Program: Honorable Mention 2015
Phi Beta Kappa 2014
NSF S-STEM Scholar in Computation and Modeling at Oberlin College 2012
John F. Oberlin merit scholarship for \$25,000 annually for four years (top level awarded) 2010

PUBLICATIONS:

Selling Partially-Ordered Items: Exploring the Space between Single- and Multi-Dimensional Mechanism Design, with Nikhil Devanur, Raghuvansh R. Saxena, Ariel Schwartzman, and S. Matthew Weinberg. In submission.

Revenue Maximization with an Uncertainty-Averse Buyer, with Shuchi Chawla, J. Benjamin Miller, and Emmanouil Pountourakis. In *Proceedings of the 29th ACM-SIAM Symposium on Discrete Algorithms (SODA 2018)*.

A Prior-Independent Revenue-Maximizing Auction for Multiple Additive Bidders, with Anna Karlin. In *Proceedings of the 12th Conference on Web and Internet Economics (WINE 2016)*.

The FedEx Problem, with Amos Fiat, Anna Karlin, and Elias Koutsoupias. In *Proceedings of the 17th ACM Conference on Economics and Computation (EC 2016)*.

Minimal Partial Languages and Automata, with F. Blanchet-Sadri and Aidan Shackleton. In *Proceedings of the 19th International Conference on Implementation and Applications of Automata (CIAA 2014)*.

Different Optimal Solutions in Shared Path Graphs, with Sean McCulloch. In *Proceedings of the 2012 Midstates Conference for Undergraduate Research in Computer Science and Mathematics (MCURCSM 2012)*.

INVITED PARTICIPATION:

Heidelberg Laureate Forum – Heidelberg, Germany	September 2017
Intern at Microsoft Research – Redmond, Washington Research Mentor: Nikhil Devanur	Summer 2017
Greece Economic and Algorithmic Theory Week – Icaria, Greece	July 2017
Young Researcher Workshop on Economics and Computation – Tel Aviv University, Israel	January 2017
Algorithms & Uncertainty Semester – The Simons Institute at UC Berkeley, CA	Fall 2016
Women in Theory Workshop – Berkeley, CA	May 2016
Economics & Computation Semester – The Simons Institute at UC Berkeley, CA	Fall 2015
CRA-W Grad Cohort Conference – San Francisco, CA	April 2015
Algorithmic Combinatorics on Words NSF REU Program – UNC Greensboro, NC Research Advisor: Francine Blanchet-Sadri	Summer 2013
Undergraduate Optimization Art Research – Oberlin College, OH Research Advisor: Robert Bosch	Spring 2013
Ohio Wesleyan University NSF REU Program – Ohio Wesleyan University, OH Research Advisor: Sean McCulloch	Summer 2012

INVITED TALKS:

Tutorial on Mechanism Design for Social Good Conference on Web and Internet Economics, Bangalore, India	Dec. 2017
The Space Between Single- and Multi-Dimensional Mechanism Design Tel Aviv University Algorithms Seminar, Tel Aviv, Israel	Dec. 2017
AmosFest, Tel Aviv, Israel	Nov. 2017
The FedEx Problem Princeton Mechanism Design Reading Group, Princeton, NJ	Oct. 2017
Conference of the International Federation of Operational Research Societies, Quebec, Canada	July 2017
STOC Workshop on Bayesian Mechanism Design, Montreal, Canada	June 2017
Hebrew University of Jerusalem Lo Letzot Seminar, Jerusalem, Israel	Jan. 2017
Weizmann Institute Foundations of Computer Science Seminar, Rehovot, Israel	Jan. 2017
Young Researcher Workshop on Economics and Computation, Tel Aviv, Israel	Jan. 2017
UW-Madison Theory Seminar, Madison, WI	Nov. 2016
Microsoft Research Theory Seminar, Redmond, WA	Oct. 2016
UC Berkeley Theory Lunch, Berkeley, CA	Sept. 2016
Stanford University Theory Lunch, Palo Alto, CA	Sept. 2016
ACM Conference on Economics and Computation, Maastricht, Netherlands	July 2016
Google Scholar's Retreat, Mountain View, CA	June 2016
UW Theory Seminar, Seattle, WA	May 2016

Revenue Maximization with an Uncertainty-Averse Buyer

Microsoft Research Theory Lunch, Redmond, WA	Sept. 2017
UW Theory Lunch, Seattle, WA	May 2017
A Prior-Independent Revenue-Maximizing Auction for Multiple Additive Bidders	
Conference on Web and Internet Economics, Montreal, Canada	Dec. 2016
UW Theory Seminar, Seattle, WA	Jan. 2016
Incentives and the Bitcoin Protocol	
Heidelberg Laureate Forum: Workshop on Transactions and Blockchains, Heidelberg, Germany	Sept. 2017
UW CSE Women's Day, Seattle, WA	Jan. 2016
UW CSE Women's Day, Seattle, WA	May 2015
CRA-W Grad Cohort, San Francisco, CA	Apr. 2015
Minimal Partial Language and Automata	
Conference on Implementation and Application of Automata, Germany	July 2014
Different Optimal Solutions in Shared Path Graphs	
Midstates Conference for Undergraduate Research in Computer Science and Mathematics	Nov. 2012
5 Colleges of Ohio Summer Research Symposium	July 2012
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SERVICE:	
Organizer and PC Chair for the 1 st Workshop on Mechanism Design for Social Good at ACM-EC	June 2017
Organizer for the Mechanism Design for Social Good reading group	2016-2018
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OUTREACH:	
Co-Chair , Graduate Women's Organization, University of Washington CSE	2015 – 2016
Co-Chair , Graduate Prospective Student Committee, University of Washington CSE	
Founder and Mentor for Undergrad Women , University of Washington CSE	
Member , Graduate Prospective Student Committee, University of Washington CSE	2014 – 2015
Founder and Co-Chair , Women in Math and Computer Science, Oberlin College	Spring 2014
Member , Mathematics Majors Committee, Oberlin College	2012 – 2014
Urban Education Intern , Legacy Charter School, Chicago, IL	Winter 2013
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TEACHING ASSISTANTSHIPS:	
Applied Algorithms (Professional Masters Program), University of Washington	Spring 2015
Foundations of Computing II, University of Washington	Fall 2014
Theory of Computer Science, Oberlin College	Spring 2014
Introduction to Computer Science, Oberlin College	Spring 2013
Introduction to Computer Science, Oberlin College	Spring 2012