Computer Science & Engineering
University of Washington
kgoldner@cs.washington.edu

Kira Goldner

http://homes.cs.washington.edu/~kgoldner

Box 352350
Seattle, WA 98195
Cell: 610-324-3931

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, prior-independent or unknown-value settings, and mechanisms that mitigate inequality.

AWARDS, SCHOLARSHIPS, AND DISTINCTIONS:

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

Travel Awards
ACM SIGACT Student Travel Grant for STOC 2015
NSF Student Travel Award for CCC

PUBLICATIONS:

A Prior-Independent Revenue-Maximizing Auction for Multiple Additive Bidders, with Anna Karlin. To appear 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:

CS-Econ Young Researcher Workshop – 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   Summer 2013
Research Advisor: Francine Blanchet-Sadri

Undergraduate Optimization Art Research – Oberlin College, OH   Spring 2013
Research Advisor: Robert Bosch

Ohio Wesleyan University NSF REU Program – Ohio Wesleyan University, OH   Summer 2012
Research Advisor: Sean McCulloch

INVITED TALKS:

The FedEx Problem
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

Game Theoretic Aspects of the Bitcoin Protocol
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

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

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