Professional Preparation

Oberlin College	Oberlin, OH	Mathematics	B.A., 2014
University of Washington	Seattle, WA	Computer Science	M.Sc., 2016 Ph.D., 2019

Appointments

- Microsoft Research PhD Fellow, University of Washington, 2017-19.
- Research Intern, Microsoft Research New England, hosted by Brendan Lucier, Summer 2018.
- Research Intern, Microsoft Research Redmond, hosted by Nikhil Devanur, Summer 2017.
- Research Assistant, University of Washington, 2014-2017.
- Teaching Assistant for CSE 546A, University of Washington, Spring 2015.
- Teaching Assistant for CSE 312, University of Washington, Autumn 2014.

Publications

All publications are available electronically at `https://homes.cs.washington.edu/~kgoldner/`.

(i) Most closely related to the proposed project:

- **Mechanism Design for Social Good.** Rediet Abebe and Kira Goldner. ACM SIGAI AI Matters, 4(3):27–34, 2018.
  DOI: `https://doi.org/10.1145/3284751.3284761`
- **Interdependent Values without Single-Crossing.** Alon Eden, Michal Feldman, Amos Fiat, and Kira Goldner. 2018. In Proceedings of the 2018 ACM Conference on Economics and Computation (EC '18). ACM, New York, NY, USA, 369-369.
  DOI: `https://doi.org/10.1145/3219166.3219173`
- **Revenue Maximization with an Uncertainty-Averse Buyer.** Shuchi Chawla, Kira Goldner, J. Benjamin Miller, and Emmanouil Pountourakis. 2018. In Proceedings of the Twenty-Ninth Annual ACM-SIAM Symposium on Discrete Algorithms (SODA '18). Society for Industrial and Applied Mathematics, Philadelphia, PA, USA, 2050-2068.
  URL: `https://dl.acm.org/citation.cfm?id=3175439`
- **The FedEx Problem.** Amos Fiat, Kira Goldner, Anna R. Karlin, and Elias Koutsoupias. 2016. In Proceedings of the 2016 ACM Conference on Economics and Computation (EC '16). ACM, New York, NY, USA, 21–22.
  DOI: `https://doi.org/10.1145/2940716.2940752`
- **A Prior-Independent Revenue-Maximizing Auction for Multiple Additive Bidders.** Kira Goldner and Anna R. Karlin. In International Conference on Web and Internet Economics, pages 160–173. Springer, 2016.
  DOI: `https://doi.org/10.1007/978-3-662-54110-4_12`

(ii) Other publications:

- **Selling Partially-Ordered Items: Exploring the Space between Single- and Multi-Dimensional Mechanism Design.** Nikhil R. Devanur, Kira Goldner, Raghuvansh R. Saxena, Ariel Schvartzman, and S. Matthew Weinberg. In submission.
- **Simple and Approximately Optimal Pricing for Proportional Complementarities.** Yang Cai, Nikhil R. Devanur, Kira Goldner, and R. Preston McAfee. In submission.
- **A Report on the Workshop on Mechanism Design for Social Good.** Rediet Abebe and Kira Goldner. ACM SIGecom Exchanges, 16(2):2–11, 2018.
- **Minimal Partial Languages and Automata.** Francine Blanchet-Sadri, Kira Goldner, and Aidan Shackleton. RAIRO-Theoretical Informatics and Applications 51.2 (2017): 99-119.

Synergistic Activities

- **Mechanism Design for Social Good (MD4SG): reading group, colloquium series, and workshop series.** Organizer, co-founder, and PC chair, with Rediet Abebe, 2016-19. Workshops at at ACM-EC, Cambridge, MA, June 2017 and Ithaca, NY, June 2018.
  URL: `https://www.md4sg.com`
- **Tutorial on the Menu Size of Precise and Approximate Revenue-Maximizing Auctions.** Organizer and presenter, with Yannai A. Gonczarowski at ACM-EC, Ithaca, NY. June 2018.
  URLs: `https://dl.acm.org/citation.cfm?id=3277557` and `http://yannai.gonch.name/scientific/ec18-menu-size-tutorial/`
- **Tutorial on Mechanism Design for Social Good.** Organizer and presenter, at WINE, Bangalore, India. December 2017.
  URLs: `http://lcm.csa.iisc.ernet.in/wine2017/kira.pdf` and `https://www.youtube.com/watch?v=O85LGqm_dwU`
- **External reviewer** for JACM, TEAC, ITCS '19, SODA '19, WINE '18, ESA '18, STOC '18, SODA '18, WINE '17, ESA '17, ICALP '17, IPCO '17, STACS '17, SODA '17, WINE '16, EC '16.
- **Graduate Women Leadership Activities.** Founder of and mentor for Mentoring Program for Undergraduate Women 2015-2017; co-chair of Graduate Women's Organization 2015-2016. University of Washington, Paul G. Allen School of Computer Science, Seattle, WA.