Computing & Data Sciences Boston University goldner@bu.edu

# Kira Goldner

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Cell: 610-324-3931

Α	PF	O	${\sf IN}$	$T$ $\Lambda$	ÆN	TS:

## Shibulal Family Career Development Assistant Professor

July 2021 - Present

Faculty of Computing & Data Sciences

Boston University, Boston, MA

## Postdoctoral Research Fellow

July 2019 - June 2021

NSF Division of Mathematical Sciences and Columbia Data Science Institute

Columbia University, New York, NY

Host: Tim Roughgarden

Research Fellow Aug. 2019 – Oct. 2019

Online and Matching-Based Market Design Program

The Simons Institute, Berkeley, CA

## **EDUCATION:**

## University of Washington, Seattle, WA

2014 - 2019

Ph.D. in Computer Science and Engineering

Dissertation: Mechanism Design for a Complex World: Rethinking Standard Assumptions

Advisor: Anna Karlin

Masters in Computer Science and Engineering 2016

Advisor: Anna Karlin

## Oberlin College, Oberlin, OH

2010 - 2014

Bachelor of Arts: Mathematics Major, Computer Science Minor

#### Budapest Semesters in Mathematics, Budapest, Hungary

Fall 2013

2016

Honors, Study Abroad

## RESEARCH INTERESTS:

Google Anita Borg Memorial Scholarship

My interests lie in algorithmic mechanism design and approximation, in particular, within (1) societal-focused foundations of mechanism design for social good, (2) the interdependent values model, (3) simple and robust mechanism design, and (4) foundational revenue maximization problems at the frontier of tractability.

# AWARDS, SCHOLARSHIPS, AND DISTINCTIONS:

NSF CAREER Award	2025
ACM-EC "Highlights Beyond EC"	2024
100 Brilliant Women in AI Ethics	2023
Shibulal Family Career Development Professorship 2021-24	2021
ACM-EC Best Presentation by a Student or Postdoctoral Researcher	2020
NSF Mathematical Sciences Postdoctoral Research Fellowship	2019
Columbia Data Science Institute Postdoctoral Fellowship	
ACM-EC Best Paper with a Student Leader Author	
Simons Institute Research Fellowship for Online and Matching Based Market-Design	
Microsoft Research PhD Fellowship	2017

## CONFERENCE PUBLICATIONS:

Bilateral Trade with Interdependent Values: Information vs. Approximation, with Shahar Dobzinski, Alon Eden, Ariel Shaulker, and Thodoris Tsilivis. In *Proceedings of the 26<sup>th</sup> ACM Conference on Economics and Computation* (EC 2025).

To Regulate or Not to Regulate: Using Revenue Maximization Tools to Maximize Consumer Utility, with Meryem Essaidi and S. Matthew Weinberg. In *Proceedings of the 17<sup>th</sup> International Symposium on Algorithmic Game Theory* (SAGT 2024).

**Non-Adaptive Matroid Prophet Inequalities**, with Shuchi Chawla, Anna R. Karlin, and J. Benjamin Miller. In *Proceedings of the 17<sup>th</sup> International Symposium on Algorithmic Game Theory* (SAGT 2024).

Constant Approximation for Private Interdependent Valuations, with Alon Eden, Michal Feldman, Simon Mauras, and Divyarthi Mohan. In *Proceedings of the 2023 IEEE 64th Annual Symposium on Foundations of Computer Science (FOCS 2023)*.

Invited Presentation at Highlights Beyond EC 2024.

**Private Interdependent Valuations**, with Alon Eden and Shuran Zheng. In *Proceedings of the 33<sup>rd</sup> ACM-SIAM Symposium on Discrete Algorithms* (SODA 2022).

On Multi-Dimensional Gains from Trade Maximization, with Yang Cai, Steven Ma, and Mingfei Zhao. In Proceedings of the 32<sup>nd</sup> ACM-SIAM Symposium on Discrete Algorithms (SODA 2021).

Optimal Mechanism Design for Single-Minded Agents, with Nikhil R. Devanur, Raghuvansh R. Saxena, Ariel Schvartzman, and S. Matthew Weinberg. In *Proceedings of the 21^{st} ACM Conference on Economics and Computation* (EC 2020).

Best Presentation by a Student or Postdoctoral Researcher.

Reducing Inefficiency in Carbon Auctions with Imperfect Competition, with Nicole Immorlica and Brendan Lucier. In Proceedings of the 11<sup>th</sup> Conference on Innovations in Theoretical Computer Science (ITCS 2020).

Bulow-Klemperer-Style Results for Welfare-Maximization in Two-Sided Markets, with Moshe Babaioff and Yannai A. Gonczarowski. In *Proceedings of the 31<sup>st</sup> ACM-SIAM Symposium on Discrete Algorithms* (SODA 2020).

Combinatorial Auctions with Interdependent Valuations: SOS to the Rescue, with Alon Eden, Michal Feldman, Amos Fiat, and Anna R. Karlin. In *Proceedings of the 20<sup>th</sup> ACM Conference on Economics and Computation* (EC 2019).

Best Paper with a Student Lead Author.

Simple and Approximately Optimal Pricing for Proportional Complementarities, with Yang Cai, Nikhil R. Devanur, and R. Preston McAfee. In *Proceedings of the 20<sup>th</sup> ACM Conference on Economics and Computation* (EC 2019).

Interdependent Values without Single-Crossing, with Alon Eden, Michal Feldman, and Amos Fiat. In Proceedings of the 19<sup>th</sup> ACM Conference on Economics and Computation (EC 2018).

Revenue Maximization with an Uncertainty-Averse Buyer, with Shuchi Chawla, J. Benjamin Miller, and Emmanouil Pountourakis. In *Proceedings of the 29<sup>th</sup> 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 12<sup>th</sup> Conference on Web and Internet Economics (WINE 2016).

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

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

#### JOURNAL PUBLICATIONS:

Combinatorial Auctions with Interdependent Valuations: SOS to the Rescue, with Alon Eden, Michal Feldman, Amos Fiat, and Anna R. Karlin. In *Mathematics of Operations Research*, 2023.

Minimal Partial Languages and Automata, with F. Blanchet-Sadri and Aidan Shackleton. In RAIRO – Theoretical Informatics and Applications, Volume 51, Number 1, 2017.

# PREPRINTS, WORKSHOP PUBLICATIONS, AND BULLETINS:

Multidimensional Bayesian Utility Maximization: Tight Approximations to Welfare, with Taylor Lundy. Preprint 2024, in submission.

A Report on YoungEC '19. In ACM SIGecom Exchanges, 18.1, July 2020.

Mechanism Design for Social Good, with Rediet Abebe. In ACM SIGAI AI Matters, 4.3, October 2018.

A Report on the Workshop on Mechanism Design for Social Good, with Rediet Abebe. In ACM SIGecom Exchanges, 16.2, June 2018.

## GRANTS:

NSF CAREER 01/2025-12/2029

Project Title: Multidimensional Utility Maximization when Ordeals are Payments

Role: PI

Amount: \$670,517

NSF Award #2228610 10/2022 - 3/2023

Project Title: Economic Resiliency through Mechanism Design and Secure Computing: MainStreetPulse: An Early Warning Platform for Monitoring and Supporting Main Street Businesses

Role: PI; joint with Mayank Varia (BU), Ziba Cranmer (BU), and Langdon White (BU)

Amount: \$50k

#### NSF Mathematical Sciences Postdoctoral Research Fellowship Award #1903037

7/2019 - 6/2021

Project Title: Mechanism Design for Social Good

Role: PI

Amount: \$150k

# RESEARCH ADVISING:

Current PhD Students: Thodoris Tsilivis, Anh Phung

Current Postdocs: Divyarthi Mohan

Former Undergraduate Students: Michael Hyder (now PhD student, Rutgers CS)

TEACHING:	
Boston University DS 574: Algorithmic Mechanism Design	
Ph.D. level course on Algorithmic Mechanism Design, new self-developed course	
18 students	Fall 2025
4 students, total score $4.75/5.0$	Fall 2023
15 students, instructor rating $4.42/5.0$	Fall 2022
Boston University DS 320: Algorithms for Data Science	
Undergraduate course on algorithmic design and analysis with additional focus on techniques for self-developed course	or big data, new
117 students, total score $4.12/5.0$	Spring 2025
72 students, total score $4.1/5.0$	Spring 2024
30 students, instructor rating $4.31/5.0$	Spring 2023
6 students, instructor rating $4.5/5.0$	Spring 2022
RESEARCH INTERNSHIPS AND LONG-TERM VISITS:	
Research Intern, Microsoft Research New England, hosted by Brendan Lucier	Summer 2018
Research Intern, Microsoft Research Redmond, hosted by Nikhil Devanur	Summer 2017
Visitor, The Simons Institute, hosted by the Algorithms & Uncertainty Semester	AugSept. 2016
Visitor, The Simons Institute, hosted by the Economics & Computation Semester	Fall 2015
INVITED TALKS:	
INVITED TALKS:  Multidimensional Bayesian Utility Maximization	
	June 2025
Multidimensional Bayesian Utility Maximization Workshop on Algorithms, Learning, and Games (ALGA 2025), Sardinia, Italy	
Multidimensional Bayesian Utility Maximization	
Multidimensional Bayesian Utility Maximization Workshop on Algorithms, Learning, and Games (ALGA 2025), Sardinia, Italy  To Regulate or Not to Regulate: Using Revenue Maximization Tools to Maximize Consumer Utilia	ty
Multidimensional Bayesian Utility Maximization Workshop on Algorithms, Learning, and Games (ALGA 2025), Sardinia, Italy  To Regulate or Not to Regulate: Using Revenue Maximization Tools to Maximize Consumer Utility Symposium on Algorithmic Game Theory, Amsterdam, Netherlands  Non-Adaptive Matroid Prophet Inequalities	<b>ty</b> Sept. 2024
Multidimensional Bayesian Utility Maximization Workshop on Algorithms, Learning, and Games (ALGA 2025), Sardinia, Italy  To Regulate or Not to Regulate: Using Revenue Maximization Tools to Maximize Consumer Utility Symposium on Algorithmic Game Theory, Amsterdam, Netherlands	ty
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Multidimensional Bayesian Utility Maximization Workshop on Algorithms, Learning, and Games (ALGA 2025), Sardinia, Italy  To Regulate or Not to Regulate: Using Revenue Maximization Tools to Maximize Consumer Utility Symposium on Algorithmic Game Theory, Amsterdam, Netherlands  Non-Adaptive Matroid Prophet Inequalities Symposium on Algorithmic Game Theory, Amsterdam, Netherlands  A Recent History of Approximation for Interdependent Values	Sept. 2024 Sept. 2024
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Multidimensional Bayesian Utility Maximization Workshop on Algorithms, Learning, and Games (ALGA 2025), Sardinia, Italy  To Regulate or Not to Regulate: Using Revenue Maximization Tools to Maximize Consumer Utility Symposium on Algorithmic Game Theory, Amsterdam, Netherlands  Non-Adaptive Matroid Prophet Inequalities Symposium on Algorithmic Game Theory, Amsterdam, Netherlands  A Recent History of Approximation for Interdependent Values SLMath Math & CS of Market and Mechanism Design Introductory Workshop, Berkeley, CA  A Constant Approximation for Private Interdependent Valuations SLMath Math & CS of Market and Mechanism Design Connections Workshop, Berkeley, CA Workshop on Algorithms, Learning, and Games (ALGA 2023), Sicily, Italy	Sept. 2024  Sept. 2024  Sept. 2023  Sept. 2023
Multidimensional Bayesian Utility Maximization Workshop on Algorithms, Learning, and Games (ALGA 2025), Sardinia, Italy  To Regulate or Not to Regulate: Using Revenue Maximization Tools to Maximize Consumer Utility Symposium on Algorithmic Game Theory, Amsterdam, Netherlands  Non-Adaptive Matroid Prophet Inequalities Symposium on Algorithmic Game Theory, Amsterdam, Netherlands  A Recent History of Approximation for Interdependent Values SLMath Math & CS of Market and Mechanism Design Introductory Workshop, Berkeley, CA  A Constant Approximation for Private Interdependent Valuations SLMath Math & CS of Market and Mechanism Design Connections Workshop, Berkeley, CA	Sept. 2024  Sept. 2024  Sept. 2023  Sept. 2023
Multidimensional Bayesian Utility Maximization Workshop on Algorithms, Learning, and Games (ALGA 2025), Sardinia, Italy  To Regulate or Not to Regulate: Using Revenue Maximization Tools to Maximize Consumer Utility Symposium on Algorithmic Game Theory, Amsterdam, Netherlands  Non-Adaptive Matroid Prophet Inequalities Symposium on Algorithmic Game Theory, Amsterdam, Netherlands  A Recent History of Approximation for Interdependent Values SLMath Math & CS of Market and Mechanism Design Introductory Workshop, Berkeley, CA  A Constant Approximation for Private Interdependent Valuations SLMath Math & CS of Market and Mechanism Design Connections Workshop, Berkeley, CA Workshop on Algorithms, Learning, and Games (ALGA 2023), Sicily, Italy  Mechanism Design: Toward a Positive Social Impact	Sept. 2024 Sept. 2024 Sept. 2023 Sept. 2023 June 2023 July 2023
Multidimensional Bayesian Utility Maximization Workshop on Algorithms, Learning, and Games (ALGA 2025), Sardinia, Italy  To Regulate or Not to Regulate: Using Revenue Maximization Tools to Maximize Consumer Utility Symposium on Algorithmic Game Theory, Amsterdam, Netherlands  Non-Adaptive Matroid Prophet Inequalities Symposium on Algorithmic Game Theory, Amsterdam, Netherlands  A Recent History of Approximation for Interdependent Values SLMath Math & CS of Market and Mechanism Design Introductory Workshop, Berkeley, CA  A Constant Approximation for Private Interdependent Valuations SLMath Math & CS of Market and Mechanism Design Connections Workshop, Berkeley, CA Workshop on Algorithms, Learning, and Games (ALGA 2023), Sicily, Italy  Mechanism Design: Toward a Positive Social Impact ACM EC Gender Inclusion Workshop, London, UK	Sept. 2024 Sept. 2024 Sept. 2023 Sept. 2023 June 2023 July 2023

TCS+ Online Seminar, Virtual	May 2021
Toyota Technical Institute of Chicago Colloquium, Virtual	Mar. 2021
Boston University Faculty of CDS Colloquium, Virtual	Mar. 2021
Rutgers CS Department Colloquium, Virtual	Mar. 2021
University of Maryland CS Department Colloquium, Virtual	Feb. 2021
Ben Gurion University CS Department Colloquium, Virtual	Feb. 2021
Bar Ilan University CS Department Colloquium, Virtual	Jan. 2021
Georgia Tech School of CS Colloquium, Virtual	Jan. 2021
Northeastern School of CS Colloquium, Virtual	Jan. 2021
Cornell Operations Research and Industrial Engineering Colloquium, Virtual	Jan. 2021
Tel Aviv University Colloquium, Virtual	Jan. 2021
IDC Herzliya Colloquium, Virtual	Dec. 2020
Columbia Data Science Institute Data & Society Council, Virtual	Dec. 2020
NYU Tandon CS Department Seminar, Virtual	Oct. 2020
Worcester Polytechnic Institute CS Department Colloquia Series, Virtual	Sept. 2020
Data Science Institute and Data for Good Scholars Weekly Meetup Series, Columbia, Virtual	July 2020
Technion Game Theory Playtime Seminar, Haifa, Israel	Dec. 2019
Washington University CS Department Colloquia Series, St. Louis, MO	Nov. 2019
Workshop on Algorithms for Learning and Economics, Rhodes, Greece	July 2019
Data Science for Social Good Workshop, Georgia Tech, Atlanta, GA	Apr. 2019
Interdependent Valuations: Beyond Single-Crossing and Single-Item	
1 <sup>st</sup> Annual SIGecom Winter Meeting, Virtual	Mar. 2021
MIT Algorithms and Complexity Seminar, Cambridge, MA	Oct. 2019
Stanford Theory Seminar, Palo Alto, CA	May 2019
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Maximizing Gains From Trade in Two-Sided Markets	
Online and Matching-Based Market Design Reunion, Simons Institute, Virtual	Mar. 2021
Weizmann Theory Seminar, Virtual	Jan. 2021
Israel Algorithmic Game Theory Seminar, Virtual	Dec. 2020
INFORMS Annual Meeting, Virtual	Nov. 2020
University of Maryland CATS Lecture Series, Virtual	Oct. 2020
Harvard TOC Seminar, Virtual	Sept. 2020
Optimal Mechanism Design for Single-Minded Agents	
Conference on Web and Internet Economics, Virtual	Dec. 2020
ACM Conference on Economics and Computation, Virtual	June 2020
INFORMS Annual Meeting, Phoenix, AZ	Nov. 2018
Georgia Tech ACO Student Seminar, Atlanta, GA	Apr. 2018
UW Theory Seminar, Seattle, WA	Apr. 2018
Hebrew University of Jerusalem Computation and Economics Seminar, Jerusalem, Israel	Jan. 2018
Tel Aviv University Algorithms Seminar, Tel Aviv, Israel	Dec. 2017
Interdimensional Mechanism Design	
STOC TCS Women Spotlight Workshop "Rising Star" Talk, Virtual	June 2020
Northwestern Quarterly Theory Workshop, Evanston, IL	Nov. 2018
UW Allen School Colloquium, Seattle, WA	Oct. 2018
AmosFest, Tel Aviv, Israel	Nov. 2017
Reducing Inefficiency in Carbon Auctions with Imperfect Competition	
Innovations in Theoretical Computer Science, Seattle, WA	Jan. 2020

Young Researcher Workshop on Economics and Computation, Tel Aviv University, Israel	Jan. 2020
Social Responsibility of Algorithms Interdisciplinary Workshop, Paris, France	Dec. 2019
Marketplace Innovation Workshop, Palo Alto, CA	June 2019
Plenary Talk, Data Science for Social Good Workshop, Atlanta, GA	Apr. 2019
Simple and Approximately Optimal Pricing for Proportional Complementarities	
ACM Conference on Economics and Computation, Phoenix, AZ	June 2019
Minisymposium on Algorithmic Game Theory at CANADAM, Vancouver, BC, Canada	May 2019
Hebrew University of Jerusalem Computation and Economics Seminar, Jerusalem, Israel	Jan. 2019
INFORMS Annual Meeting, Phoenix, AZ	Nov. 2018
Interdependent Values without Single-Crossing	
Bellairs Workshop on Algorithmic Game Theory, Barbados	Apr. 2018
The Feders Duckless	
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 Letzitot 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
PROFESSIONAL SERVICE AND OUTREACH:	

# Initiatives

Founder and Director, BEACH: The Boston Economics and Computing Hub

2023-Present

Uniting institutions and disciplines across Boston with a joint directory, calendar, and semesterly workshop.

Co-Organizer, Women-in-TCS Information, jointly with CATCS	
	2010
Co-Founder and Organizer, MD4SG: The Mechanism Design for Social Good Initiative	2016-2
A multi-institutional, interdisciplinary research initiative working to improve access to opportunity	y
for historically undeserved and disadvantaged communities.	
Workshop Organizer	
Co-Organizer, BEACH Day Spring '25: Behavioral Models in EconCS	April 2
Co-Organizer, The 3rd Workshop on Algorithms for Learning and Economics (WALE '24)	June 2
Co-Organizer, The 2nd Workshop on Algorithms for Learning and Economics (WALE '22)	June 2
Social Chair, ACM Conference on Economics and Computation (EC '21)	July 2
Steering Committee, The 4th Workshop on Mechanism Design for Social Good	Aug. 2
Co-Organizer and PC Chair, The 2nd Workshop on Mechanism Design for Social Good	June 2
Co-Organizer and PC Chair, The 1st Workshop on Mechanism Design for Social Good	June 2
Executive Committee	
The ACM Conference on Equity in Algorithms, Mechanisms, and Optimization (EAAMO, by MD	94SG) 2023
Tutorial Organizer and Presenter	
On the Menu Size of Precise and Approximate Revenue-Maximizing Auctions at EC, Ithaca, NY	June 2
On Mechanism Design for Social Good, at WINE, Bangalore, India	Dec. 2
Program Committees and Reviewing	
Senior Program Committee for EC '25, WINE '25	
External Reviewer for SODA, NSF CISE Panel	•
Program Committee for CS&Law '25	6
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Senior Program Committee for EC '24	
Senior Program Committee for EC '24 Program Committee for SOSA '24	
Senior Program Committee for EC '24 Program Committee for SOSA '24 Area Chair of Program Committee for EC '23	
Senior Program Committee for EC '24 Program Committee for SOSA '24 Area Chair of Program Committee for EC '23 External Reviewer for FOCS, NSF CISE Panel	2
Senior Program Committee for EC '24 Program Committee for SOSA '24 Area Chair of Program Committee for EC '23 External Reviewer for FOCS, NSF CISE Panel Program Committee for SODA '23	2
Senior Program Committee for EC '24 Program Committee for SOSA '24 Area Chair of Program Committee for EC '23 External Reviewer for FOCS, NSF CISE Panel Program Committee for SODA '23 External Reviewer for ISF, Schmidt Futures	2
Senior Program Committee for EC '24 Program Committee for SOSA '24 Area Chair of Program Committee for EC '23 External Reviewer for FOCS, NSF CISE Panel Program Committee for SODA '23 External Reviewer for ISF, Schmidt Futures Program Committee for ITCS '22, FORC '21, EC '21	2
Senior Program Committee for EC '24  Program Committee for SOSA '24  Area Chair of Program Committee for EC '23  External Reviewer for FOCS, NSF CISE Panel  Program Committee for SODA '23  External Reviewer for ISF, Schmidt Futures  Program Committee for ITCS '22, FORC '21, EC '21  External Reviewer for STOC '22, FC '22, SAGT '21	2
Senior Program Committee for EC '24  Program Committee for SOSA '24  Area Chair of Program Committee for EC '23  External Reviewer for FOCS, NSF CISE Panel  Program Committee for SODA '23  External Reviewer for ISF, Schmidt Futures  Program Committee for ITCS '22, FORC '21, EC '21  External Reviewer for STOC '22, FC '22, SAGT '21  Program Committee for ITCS '21, EC '20, WINE '20, Tackling Climate Change with ML at ICLF	2
Senior Program Committee for EC '24  Program Committee for SOSA '24  Area Chair of Program Committee for EC '23  External Reviewer for FOCS, NSF CISE Panel  Program Committee for SODA '23  External Reviewer for ISF, Schmidt Futures  Program Committee for ITCS '22, FORC '21, EC '21  External Reviewer for STOC '22, FC '22, SAGT '21  Program Committee for ITCS '21, EC '20, WINE '20, Tackling Climate Change with ML at ICLF Ambassador for Global Challenges in Economics and Computation	2
Senior Program Committee for EC '24 Program Committee for SOSA '24 Area Chair of Program Committee for EC '23 External Reviewer for FOCS, NSF CISE Panel Program Committee for SODA '23 External Reviewer for ISF, Schmidt Futures Program Committee for ITCS '22, FORC '21, EC '21 External Reviewer for STOC '22, FC '22, SAGT '21 Program Committee for ITCS '21, EC '20, WINE '20, Tackling Climate Change with ML at ICLF Ambassador for Global Challenges in Economics and Computation External Reviewer for GEB, SODA '21, FOCS '20	2 2 R 2020 2
Senior Program Committee for EC '24 Program Committee for SOSA '24 Area Chair of Program Committee for EC '23 External Reviewer for FOCS, NSF CISE Panel Program Committee for SODA '23 External Reviewer for ISF, Schmidt Futures Program Committee for ITCS '22, FORC '21, EC '21 External Reviewer for STOC '22, FC '22, SAGT '21 Program Committee for ITCS '21, EC '20, WINE '20, Tackling Climate Change with ML at ICLF Ambassador for Global Challenges in Economics and Computation External Reviewer for GEB, SODA '21, FOCS '20 Program Committee for AAAI '20, EC '19, NetEcon '19, MD4SG '19 (Theory area chair)	2 2 R 2020 2
Senior Program Committee for EC '24 Program Committee for SOSA '24 Area Chair of Program Committee for EC '23 External Reviewer for FOCS, NSF CISE Panel Program Committee for SODA '23 External Reviewer for ISF, Schmidt Futures Program Committee for ITCS '22, FORC '21, EC '21 External Reviewer for STOC '22, FC '22, SAGT '21 Program Committee for ITCS '21, EC '20, WINE '20, Tackling Climate Change with ML at ICLF Ambassador for Global Challenges in Economics and Computation External Reviewer for GEB, SODA '21, FOCS '20 Program Committee for AAAI '20, EC '19, NetEcon '19, MD4SG '19 (Theory area chair) External Reviewer for JACM, JAIR, SODA '20, FOCS '19	2 2 R 2020 2
Program Committee for EC '24  Program Committee for SOSA '24  Area Chair of Program Committee for EC '23  External Reviewer for FOCS, NSF CISE Panel  Program Committee for SODA '23  External Reviewer for ISF, Schmidt Futures  Program Committee for ITCS '22, FORC '21, EC '21  External Reviewer for STOC '22, FC '22, SAGT '21  Program Committee for ITCS '21, EC '20, WINE '20, Tackling Climate Change with ML at ICLF Ambassador for Global Challenges in Economics and Computation  External Reviewer for GEB, SODA '21, FOCS '20  Program Committee for AAAI '20, EC '19, NetEcon '19, MD4SG '19 (Theory area chair)  External Reviewer for JACM, JAIR, SODA '20, FOCS '19  Program Committee for AIES '19	2
Senior Program Committee for EC '24 Program Committee for SOSA '24 Area Chair of Program Committee for EC '23 External Reviewer for FOCS, NSF CISE Panel Program Committee for SODA '23 External Reviewer for ISF, Schmidt Futures Program Committee for ITCS '22, FORC '21, EC '21 External Reviewer for STOC '22, FC '22, SAGT '21 Program Committee for ITCS '21, EC '20, WINE '20, Tackling Climate Change with ML at ICLF Ambassador for Global Challenges in Economics and Computation External Reviewer for GEB, SODA '21, FOCS '20 Program Committee for AAAI '20, EC '19, NetEcon '19, MD4SG '19 (Theory area chair) External Reviewer for JACM, JAIR, SODA '20, FOCS '19	2 2 R 2020 2

INTERNAL ACTIVITIES:	
Boston University Faculty of Computing and Data Sciences	
Member, Doctoral Oversight Committee	2024 - 2026
Established the infrastructure for a new PhD program for assessing student progress, inclureviews, academic standing, fellowships, and research rotations.	ding milestones, annual
Coordinator, PhD Visit Day 2025	2024 - 2025
Member, PhD Program Planning Committee	Summer 2024
Member, Tenure-Track Hiring Committee	2023 - 2024
Member, Faculty Interview Committee	2022 - 2023
Member, PhD Admissions Committee	
Member, PhD Admissions Committee	2021 - 2022
Member, Tenure-Track Hiring Committee	
Columbia University Department of Computer Sciences	
Member, Bits for Justice addressing Systemic Anti-Black Racism	2020
University of Washington School of Computer Science and Engineering	
Member, PhD Admissions Committee	2017 - 2019
Co-Chair, Graduate Women's Organization	2015 - 2016
Co-Chair, Graduate Prospective Student Committee	
Founder and Mentor, Mentoring Program for Undergraduate Women	
Member, Graduate Prospective Student Committee	2014 - 2015