

# MEENA JAGADEESAN

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## EDUCATION

UC Berkeley, <b>Ph.D. Computer Science</b>	2020-
Selected Honors: <i>Berkeley EECS Excellence Award</i>	
Harvard University, <b>S.M. Computer Science</b>	2019-2020
Harvard University, <b>A.B. Computer Science and Mathematics, <i>summa cum laude</i></b>	2016-2020
Secondary Field: Statistics	
Selected Honors: <i>Phi Beta Kappa, Hoopes Prize, Detur Book Prize, Certificate of Distinction in Teaching</i>	
Phillips Exeter Academy, High School Diploma	2012-2016
Selected Honors: <i>Cox Medal, Williams Cup, Early Cum Laude Inductee, Departmental prizes in 8 subjects</i>	

## SELECTED AWARDS

PD Soros Fellowship for New Americans (2020-2024)  
Berkeley Fellowship (2020-2024)  
CRA Outstanding Undergraduate Researcher Award (2020)  
Siebel Scholarship (2019-2020)  
Barry Goldwater Scholarship (2018-2020)  
Intel Science Talent Search, 2<sup>nd</sup> Place in Basic Research (2016)  
Davidson Fellow Laureate (2016)

## PUBLICATIONS

(\* denotes alphabetical ordering)

1. Christina Ilvento\*, Meena Jagadeesan\*, and Shuchi Chawla. "Multi-Category Fairness in Sponsored Search Auctions." *Proceedings of the 3rd ACM Conference on Fairness, Accountability and Transparency (FAT\*)*, 2020, pp. 348–358.
2. Cynthia Dwork\*, Christina Ilvento\*, and Meena Jagadeesan\*. "Individual Fairness in Pipelines." *Proceedings of the 1st Conference on Foundations of Responsible Computation (FORC)*, pp. 7:1–7:22, 2020.
3. Meena Jagadeesan. "Understanding Sparse JL for Feature Hashing." *Proceedings of the 33rd Annual Conference on Neural Information Processing Systems (NeurIPS)*, 2019, pp. 15177–15187. [Oral presentation \(given to ~3% of accepted papers\)](#).
4. Meena Jagadeesan. "Simple Analysis of Sparse, Sign-Consistent JL." *Proceedings of the 23rd International Conference on Randomization and Computation (RANDOM)*, pp. 61:1–61:20, 2019.
5. Meena Jagadeesan\* and Alexander Wei\*. "Varying the Number of Signals in Matching Markets." *Proceedings of the 14th International Conference on Web and Internet Economics (WINE)*, pp. 232–245, 2018.
6. Elaine Hou\* and Meena Jagadeesan\*. "Dyson's Partition Ranks and their Multiplicative Extensions." *The Ramanujan Journal*, Vol. 45, Issue 3, April 2018, pp. 817–839.
7. Meena Jagadeesan and Susan Durst. "Mobius Polynomials of Face Posets of Convex Polytopes." *Communications in Algebra*, Vol. 44, Issue 11, 2016, pp. 4945–4972.

### Short Papers

8. Meena Jagadeesan\* and Garrett Tanzer\*. "From Worst-Case to Average-Case Analysis: Accurate Latency Predictions for Key-Value Storage Engines". *Proceedings of the ACM International Conference on Management of Data (SIGMOD)*, 2020, pp. 2853–3855. (2-Page Extended Abstract.) [1<sup>st</sup> Place at SIGMOD SRC](#).

## THESES

Meena Jagadeesan. "The Performance of Johnson-Lindenstrauss Transforms: Beyond the Classical Setting." *Undergraduate Thesis (advised by Prof. Jelani Nelson)*. [Awarded Hoopes Prize](#).

## SELECTED PRESENTATIONS

1. "Understanding Sparse Johnson-Lindenstrauss Transforms" at Microsoft Research Machine Learning and Optimization Group Seminar, 6/24/20 (Talk)
2. "Fairness in Advertising Auctions" at Algorithmic Game Theory Mentoring Workshop at ACM EC, 6/15/20 (Talk)
3. "Multi-Category Fairness in Sponsored Search Auctions" at ACM FAT\*, 1/29/20 (Talk)
4. "Understanding Sparse JL for Feature Hashing" at NeurIPS, 12/12/19 (Talk)
5. "Simple Analysis of Sparse, Sign-Consistent JL" at RANDOM, 9/21/19 (Talk)
6. "Multi-Category Fairness in Sponsored Search Auctions" at Workshop on Mechanism Design for Social Good at ACM EC, 6/28/19 (Poster)
7. "Analyzing Johnson-Lindenstrauss Transforms" at U. Wisconsin-Madison Theory Seminar, 5/17/19 (Talk)
8. "Varying the Number of Signals in Matching Markets" at WINE, 12/17/18 (Talk)
9. "Varying the Number of Signals in Matching Markets" at Workshop on Frontiers of Market Design at ACM EC, 6/22/18 (Talk)

## EMPLOYMENT/POSITIONS

Undergraduate Research Intern at Microsoft Research	Summer 2020
Harvard College Research Program Fellow	Summer 2019
Teaching Fellow, Harvard CS 61 (Systems Programming and Machine Organization)	Fall 2018
Software Engineer/Program Manager at Microsoft	Summer 2018
Harvard Herchel Smith & PRISE Fellow	Summer 2017
Emory Research Experience for Undergraduates	Summer 2016
Participant in the Research Science Institute (RSI)	Summer 2015

## PROFESSIONAL SERVICE

Reviewer for *Journal of Artificial Intelligence Research (JAIR)* and *Management Science*