MEENA JAGADEESAN

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EDUCATION

UC Berkeley, **Ph.D. Computer Science** 2020-
Selected Honors: *Berkeley EECS Excellence Award*

Harvard University, **S.M. Computer Science** 2019-2020

Harvard University, **A.B. Computer Science and Mathematics, *summa cum laude*** 2016-2020
Secondary Field: Statistics
Selected Honors: *Phi Beta Kappa*, *Hoopes Prize, Detur Book Prize*, *Certificate of Distinction in Teaching*

Phillips Exeter Academy, High School Diploma 2012-2016
Selected Honors: *Cox Medal*, *Williams Cup, Early Cum Laude Inductee, Departmental prizes in 8 subjects*

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, 2nd 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.) **1st 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 for Feature Hashing" 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*