MEENA JAGADEESAN

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EDUCATION

Harvard University, **S.M. Computer Science** **Anticipated, 2020**

Harvard University [GPA: 3.977/4.0], **A.B. Computer Science/Math, Secondary in Statistics** **Anticipated, 2020**

- Senior Thesis: "Analyzing Johnson-Lindenstrauss Distributions" [in progress, Advisor: Prof. Jelani Nelson]
- Selected Honors: *Phi Beta Kappa*, *Detur Book Prize*, and *Certificate of Distinction in Teaching*

Phillips Exeter Academy, High School Diploma 2016

- Selected Honors: *Cox Medal* (given to 5 students with the highest scholastic rank)

SELECTED AWARDS

CRA Outstanding Undergraduate Researcher Award 2020
Siebel Scholar 2019-2020
Barry Goldwater Scholar 2018
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. 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).**
3. 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.
4. 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.
5. 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.
6. Meena Jagadeesan and Susan Durst. "Mobius Polynomials of Face Posets of Convex Polytopes." ***Communications in Algebra**,* Vol. 44, Issue 11, 2016, pp. 4945-4972.

WORKING PAPERS

1. "Individual Fairness in Pipelines" (with Cynthia Dwork and Christina Ilvento).
2. [Research project on browser extension security] (with Alisha Ukani, Alexander Wei, and James Mickens).
3. [Research project on automating data structural design] (with the Harvard Data Systems Laboratory (DASlab)).

SELECTED PRESENTATIONS

1. "Multi-Category Fairness in Sponsored Search Auctions" at ACM FAT*, 1/29/2020 (Talk)
2. "Understanding Sparse JL for Feature Hashing" at NeurIPS, 12/12/2019 (Talk)
3. "Simple Analysis of Sparse, Sign-Consistent JL" at RANDOM, 9/21/2019 (Talk)
4. "Multi-Category Fairness in Sponsored Search Auctions" at Workshop on Mechanism Design for Social Good at ACM EC, 6/28/2019 (Poster)
5. "Analyzing Johnson-Lindenstrauss Transforms" at U. Wisconsin-Madison Theory Seminar, 5/17/2019 (Talk)
6. "Varying the Number of Signals in Matching Markets" at WINE, 12/17/2018 (Talk)
7. "Varying the Number of Signals in Matching Markets" at Workshop on Frontiers of Market Design at ACM EC, 6/22/2018 (Talk)

EMPLOYMENT

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

PROFESSIONAL ACTIVITIES

Referee for *Journal of Artificial Intelligence Research (JAIR)* and *Management Science*	
Participant in the Research Science Institute (RSI)	Summer 2015