

## MEENA JAGADEESAN

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### EDUCATION

Harvard University, <b>S.M. Computer Science</b>	<b>Anticipated, 2020</b>
Harvard University [GPA: 3.975/4.0], <b>A.B. Computer Science/Math, Secondary in Statistics</b>	<b>Anticipated, 2020</b>
<ul style="list-style-type: none"><li>Senior Thesis: “Analyzing Johnson-Lindenstrauss Distributions” [in progress, Advisor: Prof. Jelani Nelson]</li><li><i>Phi Beta Kappa</i> and <i>Detur Book Prize</i> for academic achievement</li></ul>	
Phillips Exeter Academy, High School Diploma	2016
<ul style="list-style-type: none"><li><i>Cox Medal</i> – awarded to the 5 students in the graduating class with the highest scholastic rank</li></ul>	

### SELECTED AWARDS

Siebel Scholar	2019-2020
Computing Research Association Outstanding Undergraduate Researcher Award, Finalist	2018-2019
Barry Goldwater Scholar	2018
Certificate of Distinction in Teaching, Derek Bok Center, Harvard University	2018
Intel Science Talent Search, 2 <sup>nd</sup> Place in Basic Research	2016
Davidson Fellow Laureate	2016

### PUBLICATIONS

(\* denotes alphabetical ordering)

- 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, to appear.
- Meena Jagadeesan. “Understanding Sparse JL for Feature Hashing.” *Proceedings of the 33rd Annual Conference on Neural Information Processing Systems (NeurIPS)*, 2019, to appear. **Oral presentation (given to ~3% of accepted papers).**
- 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.
- 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.
- 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.
- Meena Jagadeesan and Susan Durst. “Mobius Polynomials of Face Posets of Convex Polytopes.” *Communications in Algebra*, Vol. 44, Issue 11, 2016, pp. 4945-4972.

### ONGOING RESEARCH / MANUSCRIPTS

- “Individual Fairness in Pipelines” (with Cynthia Dwork and Christina Ilvento).
- Project on browser extension security (with Alisha Ukani, Alexander Wei, and James Mickens).
- Project on automating data structural design (with the Harvard Data Systems Laboratory (DASlab)).

### SELECTED PRESENTATIONS

- “Understanding Sparse JL for Feature Hashing” at NeurIPS, 12/12/2019 (Talk)
- “Simple Analysis of Sparse, Sign-Consistent JL” at RANDOM, 9/21/2019 (Talk)
- “Multi-Category Fairness in Sponsored Search Auctions” at Workshop on Mechanism Design for Social Good at ACM EC, 6/28/2019 (Poster)
- “Analyzing Johnson-Lindenstrauss Transforms” at U. Wisconsin-Madison Theory Seminar, 5/17/2019 (Talk)
- “Varying the Number of Signals in Matching Markets” at WINE, 12/17/2018 (Talk)
- “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 <i>Journal of Artificial Intelligence Research (JAIR)</i> , <i>Management Science</i>	
Participant in the Research Science Institute (RSI)	Summer 2015