

## MEENA JAGADEESAN

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### EDUCATION

Harvard University, **S.M. Computer Science** Anticipated, 2020  
Harvard University [GPA: 3.975/4.0], **A.B. Computer Science/Math, Secondary in Statistics** Anticipated, 2020

- Senior Thesis: "Analyzing Johnson-Lindenstrauss Distributions" [in progress, Advisor: Prof. Jelani Nelson]

Phillips Exeter Academy, High School Diploma 2016

- Cox Medal – awarded to the 5 students in the graduating class with the highest scholastic rank

### 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

- "Understanding Sparse JL for Feature Hashing." *Proceedings of the 33rd Annual Conference on Neural Information Processing Systems (NeurIPS)*, 2019, to appear. **Oral presentation (<1% of submissions).**
- "Simple Analysis of Sparse, Sign-Consistent JL". *Proceedings of the 23rd International Conference on Randomization and Computation (RANDOM)*, pp. 61:1–61:20, 2019.
- "Varying the Number of Signals in Matching Markets" with Alexander Wei. *Proceedings of the 14th International Conference on Web and Internet Economics (WINE)*, pp. 232-245, 2018.
- "Dyson's Partition Ranks and their Multiplicative Extensions" with Elaine Hou. *The Ramanujan Journal*, Vol. 45, Issue 3, April 2018, pp. 817–839.
- "Mobius Polynomials of Face Posets of Convex Polytopes" with Susan Durst. *Communications in Algebra*, Vol. 44, Issue 11, 2016, pp. 4945-4972.

### ONGOING RESEARCH / MANUSCRIPTS

- "Multi-Category Fairness in Sponsored Search Auctions" with Shuchi Chawla and Christina Ilvento.
- "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)).

### 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)* 2018  
Participant in the Research Science Institute (RSI) Summer 2015