

# Yash Pote

Ph.D. Candidate  
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## EDUCATION

Ph.D. School of Computing, National University of Singapore, 2019-  
B.Tech. Computer Science and Engineering, IIT - Guwahati, 2014-2018

## RESEARCH AREAS

Distribution Testing.  
Verification of Probabilistic Programs.  
SAT Solvers and Model Counters.

## PUBLICATIONS

### Conference Proceedings

- 2021 Yash Pote and Kuldeep S. Meel, “Testing Probabilistic Circuits”, NeurIPS, 2021 ([Paper](#), [Code](#)).
- 2021 Durgesh Agrawal, Yash Pote and Kuldeep S. Meel, “Partition Function Estimation: A Quantitative Study”, IJCAI-Survey Track, 2021. ([Paper](#), [Slides](#), [Data](#))
- 2020 Kuldeep S. Meel, Yash Pote and Sourav Chakraborty “On Testing of Samplers”, NeurIPS, 2020 ([Paper](#), [Code](#))
- 2019 Yash Pote, Saurabh Joshi and Kuldeep S. Meel “Phase Transition Behavior of Cardinality and XOR Constraints”, IJCAI, 2019 ([Paper](#), [Slides](#), [Code](#))

### Manuscripts in Preparation

- 2022 Yash Pote and Kuldeep S. Meel, “Tractable and Sample Efficient Testing”, Target: *ICML*, 2022.
- 2022 Cheng-Kai Lim, Dehui Lin, Yash Pote, Puru Sharma, Djordje Jevdjic, “Practical DNA Storage Architecture with Precise Reads and Updates”, Target: *ISCA*, 2022.
- 2022 Yasamin Tabatabaee, Dehui Lin, Yash Pote, Cheng-Kai Lim, Cyrus Rashtchian, Djordje Jevdjic, “Managing Reliability Bias in DNA Storage”, Target: *ISCA*, 2022.
- 2022 Kuldeep S. Meel, Yash Pote and Sourav Chakraborty “On Testing of Samplers”, Target: *JAIR*

## TEACHING EXPERIENCE

### National University of Singapore

CS 4244: Knowledge Representation and Reasoning (Teaching Assistant-Spring 2019,2020)

CS 4269/CS 5469: Fundamentals of Logic in Computer Science (Teaching Assistant-Winter 2019)  
CS 4218: Software Testing (Lab Tutor-Spring 2021)

## **PROFESSIONAL EXPERIENCE**

2017      Goldman Sachs, Summer Intern in the Global Securities Team  
             Bangalore, India;

## **TECHNICAL SKILLS**

Advanced	Python, SAT/PB/ILP Solvers
Intermediate	C, C++, MySQL, Z3, GNUPlot, Latex

Updated March 2022