

Yash Pote

Ph.D. Candidate
School of Computing
National University of Singapore

Email: yashppote@gmail.com
Web: <https://yashpote.com>

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 and SMT Solvers.

PUBLICATIONS

Conference Proceedings

- 2022 Yash Pote and Kuldeep S. Meel, “On Scalable Testing of Samplers”, *NeurIPS*, 2022.
- 2022 Dehui Lin, Yasamin Tabatabaee, Yash Pote, Djordje Jevdjic, “Managing Reliability Bias in DNA Storage”, *ISCA*, 2022 ([Paper](#)).
- 2021 Yash Pote and Kuldeep S. Meel, “On Testing of Probabilistic Circuits”, *NeurIPS*, 2021 ([Paper](#), [Code](#)).
- 2021 Durgesh Agrawal, Yash Pote and Kuldeep S. Meel, “Partition Function Estimation: A Quantitative Study”, *IJCAI-Survey*, 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 Aaryan Gupta, Kuldeep Meel and Yash Pote, “Faster Approximate Model Counting via Sparsifier Hashing”, Target: *IJCAI*, 2023.
- 2022 Cheng-Kai Lim, Dehui Lin, Yash Pote, Puru Sharma, Djordje Jevdjic, “Practical DNA Storage Architecture with Precise Reads and Updates”, Target: *ASPLOS*, 2023.
- 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

2022 Amazon AWS, Applied Science Intern in the Automated Reasoning Group
Cupertino, California, USA;

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

TECHNICAL SKILLS

Advanced Python, SAT/PB/ILP Solvers, \LaTeX

Intermediate SMT Solvers(Z3, CVC5), C++, SQL

SERVICE

Reviewer

Conferences NeurIPS(2021), ICML(2021,2022)

RESEARCH VISITS

2021-22 Visitor at the [SAT](#) program at the [Simon's Institute for the Theory of Computing](#).

Updated November 2022