

Yash Pote

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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 Samplers.
SAT/SMT Solving.

PUBLICATIONS

Conference Proceedings

- 2023 “Efficiently Supporting Hierarchy and Data Updates in DNA Storage”, *MICRO* 2023 ([Paper](#)).
Puru Sharma, Cheng-Kai Lim, Dehui Lin, Yash Pote, Djordje Jevdjic.
- 2022 “On Scalable Testing of Samplers”, *NeurIPS* 2022([Paper](#)).
Yash Pote and Kuldeep S. Meel,
- 2022 “Managing Reliability Bias in DNA Storage”, *ISCA* 2022 ([Paper](#)).
Dehui Lin, Yasamin Tabatabaee, Yash Pote, Djordje Jevdjic
- 2021 “Testing Probabilistic Circuits”, *NeurIPS* 2021 ([Paper](#),[Code](#)).
Yash Pote and Kuldeep S. Meel
- 2021 “Partition Function Estimation: A Quantitative Study”,
IJCAI(Survey Track) 2021.([Paper](#),[Slides](#),[Data](#)).
Durgesh Agrawal, Yash Pote and Kuldeep S. Meel
- 2020 “On Testing of Samplers”, *NeurIPS* 2020. ([Paper](#),[Code](#)).
Kuldeep S. Meel, Yash Pote and Sourav Chakraborty
- 2019 “Phase Transition Behavior of Cardinality and XOR Constraints”, *IJCAI* 2019
([Paper](#), [Slides](#), [Code](#)).
Yash Pote, Saurabh Joshi and Kuldeep S. Meel

Manuscripts in Preparation

- 2023 “Distance Estimation of High Dimensional Samplers with Subcube Conditioning” ([Paper](#)).
Gunjan Kumar, Kuldeep S. Meel and Yash Pote.

2023 “Simpler and Faster Approximate Counting in the Low-Accuracy Regime”
Jiong Yang, Aaryan Gupta, Kuldeep S. Meel, and Yash Pote

TEACHING EXPERIENCE

National University of Singapore

CS 4244: Knowledge Representation and Reasoning (Teaching Assistant-Spring 2019,2020,2023)

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

Intermediate C, C++, MySQL, Z3, GNUPlot, Latex

SERVICE

Reviewer

Conferences NeurIPS(2021,2023), ICML(2021,2022,2023), CAV(2023), AAI(2023)

RESEARCH VISITS

2021,2022 Visitor at the [SAT](#) program at the [Simon’s Institute for the Theory of Computing](#).

Updated August 2023