

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

- 2022 Yash Pote and Kuldeep S. Meel, “On Scalable Testing of Samplers”, *NeurIPS*, 2022([Paper](#)).
- 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, “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

- 2023 Jiong Yang and Yash Pote “Simpler and Faster Approximate Counting in the Low-Accuracy Regime”, Target: *NeurIPS*, 2023.
- 2023 Gunjan Kumar, Yash Pote and Kuldeep Meel. “Testing High Dimensional Samplers with Subcube Conditioning ”, Target: *NeurIPS*, 2023.
- 2023 Cheng-Kai Lim, Dehui Lin, Yash Pote, Puru Sharma, Djordje Jevdjic, “Practical DNA Storage Architecture with Precise Reads and Updates”, Target: *MICRO*, 2023.
- 2023 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 2019,2020,2023)

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)

RESEARCH VISITS

2021 Visitor at the [SAT2021](#) program at the [Simon's Institute for the Theory of Computing](#).

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