

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 Probabilistic Systems.
SAT Solvers and Model Counters.

PUBLICATIONS

Conference Proceedings/Compendia

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

Manuscripts in Preparation

- 2021 Yash Pote and Kuldeep S. Meel, “Testing Probabilistic Circuits”, Target: *NeurIPS*, 2021.
- 2021 Yash Pote and Kuldeep S. Meel, “Tractable and Sample Efficient Testing”, Target: *AISTATS*, 2021.
- 2021 Cheng-Kai Lim, Dehui Lin, Yash Pote, Puru Sharma, Djordje Jevdjic, “Practical DNA Storage Architecture with Precise Reads and Updates”, Target: *ASPLOS*, 2022.
- 2021 Yasamin Tabatabaee, Dehui Lin, Yash Pote, Cheng-Kai Lim, Cyrus Rashtchian, Djordje Jevdjic, “Managing Reliability Bias in DNA Storage”, Target: *ASPLOS*, 2022.

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;

Updated September 2021