Yash Pote

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

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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

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)

2021 Yash Pote and Kuldeep S. Meel, "Testing Probabilistic Circuits", NeurIPS, 2021 (Paper,Code).

Manuscripts in Preparation

2021 Yash Pote and Kuldeep S. Meel, "Tractable and Sample Efficient Testing", Target: *ICML*, 2022.

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.

2021 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 November 2021