Jiong Yang

jiong@comp.nus.edu.sg

Education

Present	**National University of Singapore** – Singapore PhD in Computer Science Advisor: Kuldeep S. Meel
2016 – 2020	**Xi'an Jiaotong University** – Xi'an, China BEng in Computer Science (Honors) *GPA: 4.02 / 4.3, Rank: 1 / 31.*

Publications

2023	**Explaining SAT Solving Using Causal Reasoning** Jiong Yang, Arijit Shaw, Teodora Baluta, and Kuldeep S. Meel. *International Conference on Theory and Applications of Satisfiability Testing (SAT)*
2023	**Rounding Meets Approximate Model Counting** Jiong Yang and Kuldeep S. Meel. *International Conference on Computer Aided Verification (CAV)* **Distinguished Paper Award**
2022	**Projected Model Counting: Beyond Independent Support** Jiong Yang, Supratik Chakraborty, and Kuldeep S. Meel. *International Symposium on Automated Technology for Verification and Analysis (ATVA)*
2021	**Engineering an Efficient PB-XOR Solver** Jiong Yang and Kuldeep S. Meel. *International Conference on Principles and Practice of Constraint Programming (CP)*
2020	**Learning Formatting Style Transfer and Structure Extraction for Spreadsheet Tables with a Hybrid Neural Network Architecture** Haoyu Dong, Jiong Yang, Shi Han, and Dongmei Zhang. *International Conference on Information and Knowledge Management (CIKM)*

Talks

Aug 2023	**Rounding Meets Approximate Model Counting** NUS PLSE seminar, Singapore.

Jul 2023	**Rounding Meets Approximate Model Counting** CAV 2023, Paris, France.
Jul 2023	**Explaining SAT Solving Using Causal Reasoning** SAT 2023, Alghero, Italy.
Jul 2023	**Rounding Meets Approximate Model Counting** Workshop on Counting and Sampling 2023, Alghero, Italy.
Apr 2023	**Explaining SAT Solving Using Causal Reasoning** Extended Reunion: Satisfiability, Simons Institute, UC Berkeley, USA.
Oct 2022	**Projected Model Counting: Beyond Independent Support** ATVA 2022, Beijing, China.
Oct 2021	**Engineering an Efficient PB-XOR Solver** CP 2021, Montpellier, France.

Honors and Awards

2023	CAV Distinguished Paper Award
2021	President's Graduate Fellowship
2019	Undergraduate Special Scholarship
2018	ACM-ICPC Asia Regional Contest Silver Medal
2017	National Scholarship

Experience

Summer 2023 Summer 2022	**Amazon Web Services** – San Francisco Bay Area, USA Applied Scientist Intern in Automated Reasoning Group Manager: Bruno Dutertre
Spring 2023	**Simons Institute** – UC Berkeley, USA Visiting Graduate Student in Extended Reunion: Satisfiability
Summer 2019	**Microsoft Research** – Beijing, China Research Intern in Data Knowledge Intelligence Group Mentor: Haoyu Dong

Service

Artifact Evaluation Committee: TACAS 2024, CAV 2024.

Reviewer: NeurIPS 2023, CAV 2023, SAT 2023, and NeurIPS 2022.

Webmaster: SAT 2022 and Meel Group.