

# Jiong Yang

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## 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)*
- 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

- 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 Scholarships

- 2021     President's Graduate Fellowship
- 2020     Outstanding Graduates
- 2019     Undergraduate Special Scholarship
- 2018     National Scholarship

## Awards

- 2019     Gold Medal, ICPC China Xian National Invitational Programming Contest
- 2018     Silver Medal, The ACM-ICPC Asia Regional Contest
- 2017     Silver Award, CCF Collegiate Computer Systems and Programming Contest
- 2017     Regional 1st Prize, China Undergraduate Mathematical Contest in Modeling

## Experience

- Summer 2023     **Amazon Web Services** – San Francisco Bay Area, USA
- Summer 2022     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

**Webmaster:** [SAT 2022](#) and [Meel Group](#).

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