

Jialiang (Jack) Sun

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SUMMARY

I am a second-year Ph.D. student at the University of Toronto in the Department of Computer Science, supervised by Professor Kuldeep Meel. My research intersects machine learning and formal methods, with a specialized focus on advancing automated symbolic reasoning through machine learning techniques. In particular, I aim to empower computers with the ability to perform mathematical reasoning and theorem proving within the realms of logic and mathematics.

EDUCATION

Doctor of Philosophy, Computer Science 2023.09 - 2027.09

- University of Toronto, Canada
- Supervisor: Prof. Kuldeep Meel
- Area of Interest: AI, Machine Learning, Automated Reasoning

Honours Bachelor of Science, Computer Science 2021.09 - 2023.04

- Area of Study: Computer Science (Major), Mathematics (Minor), and Statistics (Minor).
- Cumulative GPA: 3.99/4.00
- Dean's List Scholar for 2021-2023 academic terms.
- Graduated at the age of 19.

AWARDS

Ontario Graduate Scholarship (OGS) 2024.06

- OGS is a merit-based scholarships to Ontario's best graduate students in all disciplines of academic study with a value of CA\$15,000 for one year.

PUBLICATIONS

Autoformalizing Euclidean Geometry ICML 2024

Logan Murphy*, Kaiyu Yang* Jialiang Sun, Zhaoyu Li, Anima Anandkumar, Xujie Si
International Conference on Machine Learning, 2024

A Survey on Deep Learning for Theorem Proving COLM 2024

Zhaoyu Li, Jialiang Sun, Logan Murphy, Qidong Su, Zenan Li, Xian Zhang, Kaiyu Yang, Xujie Si
Conference on Language Modeling, 2024

SERVICES

Reviewer 2024.02 - Now

- Neural Information Processing Systems (Neurips 2024)
- Transactions on Machine Learning Research (TMLR 2024)
- International Conference on Learning Representations (ICLR 2025)

TEACHING

Teaching Assistant

- Introduction to Databases (CSC343)
- Introduction to Artificial Intelligence (CSC384)

2023 Fall
2024 Winter