

Xingtū Liu

CONTACT

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EDUCATION	Simon Fraser University <i>Master of Science</i> Supervisor: Sharan Vaswani	September 2023 - August 2025 (Expected)
	University of Waterloo <i>Bachelor of Mathematics</i>	September 2017 - August 2022
RESEARCH INTERESTS	Reinforcement Learning Theory, Deep Learning Theory, Differential Privacy, Design and Analysis of Algorithms	
PUBLICATIONS	Improved Rates for Differentially Private Stochastic Convex Optimization with Heavy-Tailed Data Gautam Kamath, Xingtū Liu, Huanyu Zhang ICML 2022 Oral Presentation (2.1% acceptance rate)	
TECHNICAL NOTES	Neural Networks with Complex-Valued Weights Have No Spurious Local Minima Xingtū Liu Manuscript (arXiv:2103.07287)	
SERVICE	Conference Reviewer: AISTATS (2022, 2023, 2024)	
TEACHING	Simon Fraser University <i>Teaching Assistant</i> CMPT 120: Introduction to Computing Science and Programming MACM 101: Discrete Mathematics	Fall 2023 - Spring 2024 (1 semester) (1 semester)
EXPERIENCE	Graduate Research Assistant Simon Fraser University Host: Sharan Vaswani	January 2024 - April 2024 Burnaby, BC
	Undergraduate Research Assistant University of Waterloo Host: Gautam Kamath	September 2020 - May 2021 Waterloo, ON
	Visiting Researcher National University of Singapore Host: Kenji Kawaguchi	November 2020 - April 2021 Remote
	Research Intern University of Waterloo Big Data Research Lab	May 2018 - August 2018 Waterloo, ON
HONORS AND AWARDS	Special Graduate Entrance Scholarship, Simon Fraser University ICML 2022 Oral Presentation Term Distinction - Three Terms Term Dean's Honors List - Two Terms Student Honor, Fermat Contest (Top 100 out of 20239) Student Honor, Galois Contest (Top 100 out of 6544)	2023 2022 2020 2018-2019 2016 2016

SKILLS Python, C, C++, R, Matlab, Maple, TensorFlow, DrRacket

LANGUAGE Chinese (Native), English (Fluent)