KEVIN ZHOU

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https://kevinzhou96.github.io/

POSITIONS

2025 –	**National Institute of Informatics**, Tokyo, Japan *Researcher*, Research Center for Mathematical Trust in Software and Systems

EDUCATION

August 2024	**Ph.D. in Pure Mathematics** University of Illinois at Chicago *Advisor*: James Freitag *Dissertation title*: "Model Theory and AI: Results in Query Learning of Automata and Weighted Model Counting"
May 2018	**B.S. in Mathematical Sciences** (with University Honors) Carnegie Mellon University

RESEARCH

INTERESTS

Formal methods, automated verification, logic

PAPERS

Kevin Zhou, Query learning bounds for advice and nominal automata, *ATVA* 2024.

INVITED TALKS

April 2024	AMS Central Sectional Meeting	University of Wisconsin-Milwaukee
April 2024	UIC Logic Seminar	University of Illinois Chicago
March 2023	AMS Southeastern Sectional Meeting	Georgia Institute of Technology
October 2022	UIC Logic Seminar	University of Illinois Chicago
April 2022	ASL North American Annual Meeting	Cornell University

AWARDS & GRANTS

Spring 2024	Graduate Student Teaching Award
Spring 2022	UIC NSF TRIPODS Research Fellow
Summer 2019	UIC NSF RTG Pre-doctoral Fellow

TEACHING

AT UIC:

As Instructor of Record:

MATH 090 Intermediate Algebra
MATH 179 Emerging Scholars Program Workshop for Calculus I
MATH 294 Emerging Scholars Program Workshop for Introduction to Advanced Mathematics
MATH 294 Emerging Scholars Program Workshop for Abstract Algebra I

As Teaching Assistant:

MCS 260 Introduction to Computer Science
MATH 090 Intermediate Algebra
MATH 110 College Algebra
MATH 125 Elementary Linear Algebra
MATH 180 Calculus I

As Grader:

MATH 330 Abstract Algebra I

AT CMU:

As Teaching Assistant:

21-127 Concepts of Mathematics
15-251 Great Theoretical Ideas in Computer Science

OTHER:

2019 – 2023	Lead Instructor, Math Circles of Chicago
Fall 2022	TA, Preliminary Arizona Winter School, Introduction to model theory
2022 & 2024	Graduate Student Instructor, Young Scholars Program at UIC

SERVICE

2024	Mentor, Directed Reading Program at UIC
2023	Co-organizer, 23rd Graduate Student Conference in Logic
2021 – 2024	Co-organizer, UIC Louise Hay Logic Seminar (Graduate Logic Seminar)
2019 – 2020	Secretary, UIC Mathematics Graduate Students' Association

OTHER EXPERIENCE

Summer 2023	Student Researcher & Project Lead, G-RIPS Sendai
	Project Title: Automated Negotiation for Supply Chain Management
Summer 2017	Undergradute Research Assistant, CMU Electrical and Computer Engineering
	Project Title: Cascading Failures in Power Systems
Summer 2016	Software Engineering Intern, Baidu Security X-Lab, Baidu USA