

# KEVIN ZHOU

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## CONTACT

Department of Mathematics, Statistics, and Computer Science  
University of Illinois at Chicago, Chicago, IL

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## EDUCATION

IN PROGRESS	<b>Ph.D. in Mathematics</b> University of Illinois at Chicago Advisor: James Freitag
MAY 2018	<b>B.S. in Mathematics</b> (with University Honors) Carnegie Mellon University

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## RESEARCH

### INTERESTS

Mathematical logic, model theory, learning theory, combinatorics

### PAPERS

2024+	Query learning bounds for advice and nominal automata (submitted)
2024+	Hereditary properties and weighted model counting (in preparation)

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## 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

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## AWARDS & GRANTS

SPRING 2022	UIC NSF TRIPODS Research Fellow
SUMMER 2019	UIC NSF RTG Pre-doctoral Fellow

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## FUNDED WORKSHOPS & EVENTS

JULY - AUG 2022	UNIMOD 2022   University of Leeds
JULY 2019	IMS Graduate Summer School in Logic   National University of Singapore

## TEACHING

### AT UIC:

#### AS PRIMARY INSTRUCTOR:

MATH 090 Intermediate Algebra  
MATH 090 Intermediate Algebra Summer Enrichment Workshop  
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:

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

#### 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	Math Circles of Chicago
FALL 2022	Preliminary Arizona Winter School TA, Introduction to model theory with applications
SUMMER 2022	Young Scholars Program at UIC

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## 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
2019	Volunteer Judge, QED Youth Math Symposium, Math Circles of Chicago

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## PROGRAMMING SKILLS

Python, C/C++, git, L<sup>A</sup>T<sub>E</sub>X, Mathematica