

# Ryan Watson

# Curriculum Vitae

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## Education

2022–Present	<b>University of Nebraska-Lincoln</b> PhD Student in Mathematics Advised by Eloísa Grifo
2022–2023	<b>University of Nebraska-Lincoln</b> M.S. in Mathematics
2020–2022	<b>University of California, Riverside</b> PhD Student - Passed Qualifying Exams
2015–2019	<b>University of California, Los Angeles</b> B.S. Double Major in Mathematics and Statistics

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## Research Interests

Broadly speaking, I am interested in commutative algebra and homological algebra and their intersections with algebraic geometry.

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## Talks and Presentations

May 2023	UNL Commutative Algebra Reading Seminar: <i>Differential Graded Algebras and Tate Resolutions</i>
December 2022	UNL Commutative Algebra Reading Seminar: <i>Introduction to Sheaves and Their Stalks</i>
June 2019	UCLA DRP Colloquium: <i>Classification of Surfaces Using Morse Theory</i>

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## Conferences and Events Organized

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2023 – 2024	Co-organizer of the UNL Directed Reading Program
2022 – 2023	Co-organizer of URiCA

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## Teaching Experience

### Instructor, *University of Nebraska, Lincoln*

Spring 2023	Math 203 – Contemporary Math
Fall 2022	Math 100A – Intermediate Algebra

### Teaching Assistant, *University of California, Riverside*

Spring 2022	Math 031 – Applied Linear Algebra
Winter 2022	Math 009B – First Year Calculus
Winter 2022	Math 010B – Calculus of Several Variables
Winter 2022	Math 011 – Discrete Structures
Fall 2021	Math 006B – Intro to College Math
Fall 2021	Math 011 – Discrete Structures
Fall 2021	Math 046 – Intro to ODEs
Winter 2021	MATH 022 – Calculus for Business Majors
Winter 2021	Math 131 – Linear Algebra 1
Fall 2020	MATH 009A – First Year Calculus
Fall 2020	MATH 149A – Probability and Mathematical Statistics

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## Outreach

Spring 2023	Led a directed reading program on homological and commutative algebra at UNL.
Winter 2023	Volunteered for the Nebraska Conference for Undergraduate Women in Mathematics.
Fall 2022	Led a directed reading program on homological algebra at UNL.

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## Conferences/Programs Attended

August 2023	BrianFest in Lincoln, Nebraska
August 2023	CAMP (Commutative Algebra Market Preparedness) in Lincoln, Nebraska
June 2023	MSRI/SLMath Summer School at Notre Dame
May 2023	URiCA in Lincoln, Nebraska
April 2023	CA+ in Minneapolis, Minnesota
October 2022	KUMUNU in Lincoln, Nebraska
June 2022	Pan-American School in Commutative Algebra in Guanajuato, Mexico

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