Ryan Watson　　　　　　Curriculum Vitae

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Education

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

Appointments

Spring 2024	**SLMath (formerly MSRI)** Program Associate

Research Interests

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

Talks and Presentations

September 2023	UNL Commutative Algebra Seminar: *A Classification of Complete Intersections using Differential Graded Algebras*
May 2023	UNL Commutative Algebra Reading Seminar: *Differential Graded Algebras and Tate Resolutions*
December 2022	UNL Commutative Algebra Reading Seminar: *An Introduction to Sheaves and Their Stalks*

Conferences and Events Organized

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

Teaching Experience

Instructor, *University of Nebraska-Lincoln*

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

Teaching Assistant, *University of Nebraska-Lincoln*

Fall 2023	Math 208 – Calculus III

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 – Probabiltiy and Mathematical Statistics

Outreach/Service

Spring 2024	Was the social activities representative for program associates at SLMath
Spring 2024	Led a directed reading program with an undergraduate student at UNL.
Fall 2023	Led a directed reading program with an undergraduate student at UNL.
Spring 2023	Led a directed reading program with an undergraduate student at UNL.
Winter 2023	Volunteered for the Nebraska Conference for Undergraduate Women in Mathematics.
Fall 2022	Led a directed reading program with an undergraduate student at UNL.

Conferences/Programs Attended

January 2024	Introductory Workshop: Commutative Algebra at SLMath
January 2024	Connections Workshop: Commutative Algebra at SLMath
Septmber 2023	KUMUNU in Columbia, Missouri
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