SEBASTIAN CORRY

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EDUCATION

Grinnell College *Expected May 2027*
B.A. in Mathematics

Lawrence University *September 2023 - June 2024*
Non-Degree Seeking Student

Stanford University *June 2023 - August 2023*
Summer Session Student

EXPERIENCE

Linear Algebra Course Mentor January 2026 - Present
Grinnell College *Grinnell, IA*

- Conducted mentor sessions for linear algebra students
- Explained course concepts and answered homework-related questions
- Helped students to develop a deep understanding of linear algebra

Mathematics Student Educational Policy Committee Member September 2025 - Present
Grinnell College *Grinnell, IA*

- Assisted the hiring and review processes for faculty
- Organized math department events
- Represented the interests of the math student body

REU Participant June 2025 - July 2025
Baruch College *New York City, NY*

- Conducted research on stable equivariant Ehrhart theory
- Applied techniques from representation stability
- Gave talks at Baruch and other REUs

Teaching Assistant for AP Calculus BC September 2023 - May 2024
Appleton West High School *Appleton, WI*

- Answered questions and worked one-on-one with students to foster interest in mathematics
- Assisted in writing exams and consulted on course structure
- Delivered lectures on topics including differentiation, parameterization, and sequences & series
- Wrote course notes corresponding to my lectures for the class

RESEARCH

Lattice Points of Highly-Symmetric Families of Polytopes (with Eric Ramos) In-Preparation

EXPOSITORY WRITING

Symmetries of the Non-Canonical (Galois Correspondence) June 2025

A Natural Introduction to Linear Algebra (Linear Algebra without Coordinates) January 2025

TALKS

Geometry by Another Name: An Introduction to Sheaves — April 2026
MASSS at Grinnell College

Stable (Equivariant) Ehrhart Theory — January 2026
NCUWM 2026 at University of Nebraska-Lincoln

Stable (Equivariant) Ehrhart Theory — January 2026
JMM 2026 in Washington, D.C.

Stable (Equivariant) Ehrhart Theory: Lattice Points, Polytopes, & Symmetry — September 2025
MASSS at Grinnell College

CONFERENCES

Nebraska Conference for Undergraduate Wisdom in Mathematics — January 2026, Lincoln, NE
Joint Mathematics Meetings — January 2026, Washington, D.C.
SEMF Interdisciplinary School — July 2024, Valencia, Spain

RELEVANT COURSEWORK

Grinnell College: *Algebraic Geometry* (MAT 397), *p-Adic Numbers* (MAT 444), *Fourier Analysis on Number Fields* (MAT 397), *Galois Theory* (MAT 322), *Complex Analysis* (MAT 317), *Foundations of Analysis* (MAT 316), *Differential Equations* (MAT 220)

Lawrence University: *Theory of Computation* (CMSC 515), *Discrete Mathematics* (Math 230), *Complex Sequences & Series* (Math 200)

Stanford University: *Linear Algebra, Multivariable Calculus, and Modern Applications* (Math 51)

SKILLS

Programming Languages — C++, Python, JavaScript
Markup Languages — LaTeX
Natural Languages — French (Conversational)