Devin Akman

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Department of Mathematics and Statistics
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Academic Interests

Algebraic geometry and Hodge theory.

Education

Washington University in St. Louis

- Ph.D., Mathematics (expected graduation: 2025).

- Advisor: Matt Kerr.

- A.M., Mathematics (2022).

University of Illinois, Urbana-Champaign

- B.S., Mathematics and Computer Science (2020).

Invited Talks

2. *De Rham's Theorem from the Derived Perspective.* Algebra Seminar, Illinois State University, March 2022.

1. *Intersection Theory and Schubert Calculus.* Algebraic Geometry Seminar, WUSTL, December 2021.

Teaching Experience

Washington University in St. Louis

- Mentor, Directed Reading Program in Hodge Theory (Spring 2024).

- Teaching Assistant, Honors Mathematics II (Spring 2024).

- Instructor, Introduction to Statistics, WUSTL Prison Education Program (Fall 2023).

- Grader, Complex Analysis I (Fall 2023).

- Grader, Measure Theory and Functional Analysis I (Fall 2023).

- Grader, Measure Theory and Functional Analysis I (Fall 2023).

- Grader, Complex Analysis I (Fall 2023).

- Grader, Calculus of Several Variables (Spring 2023).

- Grader, Differential Topology (Spring 2023).

- Instructor, Directed Reading Course in Category Theory (Spring 2023).

- Instructor, Directed Reading Course in Lie Groups (Fall 2022).

- Teaching Assistant, Differential Equations (Fall 2022).

- Instructor, Elementary Probability and Statistics (Summer 2022).

- Teaching Assistant, Honors Mathematics II (Spring 2022).

- Grader, Differential Topology (Spring 2022).

- Teaching Assistant, Calculus II (Fall 2021).

- Grader, Measure Theory and Functional Analysis I (Fall 2021).

Seminars

- Co-organizer of *Shimura varieties learning seminar* (Spring 2024).

- Co-organizer of *Hodge theory learning seminar* (Summer 2022–Fall 2022). Seminar website.

Conferences Attended

- Western Algebraic Geometry Symposium, Washington University (Fall 2023).

- SLMath Summer School on Derived Algebraic Geometry, UC Berkeley (Summer 2023).

- Western Algebraic Geometry Symposium, University of Washington (Spring 2023).

- Arizona Winter School on Unlikely Intersections, University of Arizona (Spring 2023).

- Periods, Shafarevich Maps, and Applications, University of Miami (Spring 2023).

- Representation Theory, Calabi–Yau Manifolds, and Mirror Symmetry, Harvard University (Fall 2022).

- Algebraic Geometry Northeastern Series, University of Massachusetts Amherst (Fall 2022).

- Western Algebraic Geometry Symposium, University of California, Riverside (Fall 2022).

- Arithmetic and Topology over Global Fields, University of Wisconsin-Madison (Fall 2022).

- MSRI Summer School on Tropical Geometry, Saint Mary's College of California (Summer 2022).

- Algebraic Geometry and Algebraic K-Theory, Washington University (Spring 2022).

- Western Algebraic Geometry Symposium, Colorado State University (Spring 2022).

Outreach

- Speaker, WUSTL Math Circle: Elliptic Curves (Spring 2024).

- Speaker, WUSTL Math Circle: Finite Fields (Fall 2023).

- Speaker, WUSTL Math Circle: How to Hang a Picture Poorly Using Math (Spring 2023).

Service

- Graduate Student Senator (Spring 2023).

- Member, Outstanding Faculty Awards Committee (Spring 2023).

- Chair, Legislative Concerns Committee (Spring 2023).

Awards

- David B. Emmes Endowed Scholarship (2021–2022).