

Sam Rizzo

Curriculum Vitae

Nashville, TN

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Education and Research

- Fall 2018 – **Vanderbilt University, Mathematics Ph.D.**
Present Advisor: Ioana Suvaina
- Fall 2015 – **University of Florida, Bachelor of Science in Mathematics.**
Spring 2018
- Fall 2016 – **Topological Data Analysis Research Project, University of Florida.**
Summer 2018 Studied tools and techniques involving persistent homology and applied them to fMRI data under the guidance of Peter Bubenik and Mike Catanzaro.
- Spring 2017 – **University Scholars Program, University of Florida.**
Spring 2018 Studied topics in combinatorics and graph labeling under the guidance of Miklós Bóna

Conferences and Workshops

- 2020 **Shanks Workshop: Real Enumerative Geometry and Beyond, Nashville, TN.**
Attended talks in enumerative geometry.

Professional Activities

- August 2020 – **Graduate Student Seminar, Graduate Student Organizer.**
Present Organizing the newly created seminar for graduate students to present their research
- February **Directed Reading Program, Graduate Student Organizer, Mentor.**
2019 – Organizing the newly created program and mentoring undergraduates interested in a variety of topics
Present
- August 2018 – **Graduate Student Committees.**
Present Member of Prospective Graduate Student Visits Committee and Website Committee

Teaching

- Fall 2020 **MATH 1300 Instructor of Record, Vanderbilt University.**
Instructor for an accelerated single variable calculus course
- Spring 2020 **MATH 2501 Teaching Assistant, Vanderbilt University.**
Teaching assistant for a proof-based linear algebra and multivariable calculus course for freshman
- Fall 2019 **MATH 2500 Teaching Assistant, Vanderbilt University.**
Teaching assistant for a proof-based linear algebra and multivariable calculus course for freshman
- Fall 2018 **MATH 1100 Teaching Assistant, Vanderbilt University.**
Teaching assistant for first-semester calculus course for liberal arts students

Mentoring

- Spring 2020 **Johnny Ou, Vanderbilt University.**
Working with student through first few chapters of "Riemannian Geometry" by Do Carmo as a part of the Vanderbilt Math Directed Reading Program

Spring 2019 **Yan Xu**, *Vanderbilt University*.

Worked with student through self written notes on differential geometry for understanding relativity as a part of the Vanderbilt Math Directed Reading Program