

JOHN STREESE

Curriculum Vitae

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Education

Ph.D. Mathematics, University of Florida Thesis Title: Rank and Crank Identities and Relationships to Quasi-Modular Forms Thesis advisor: Dr. Frank Garvan	2019 - 2022
M.S. Mathematics, University of Florida	2017 - 2019
B.A. Mathematics/B.S. Statistics, University of Florida Minors in Actuarial Sciences and Business Administration	2011 - 2013
A.A. General Studies, Eastern Florida College	2010 - 2011

Professional Experience

Calculus 1 Coordinator (University of Florida) Gainesville, Florida Coordinate all Calculus 1 instructors and materials. Created a new set of Calculus 1 videos, maintained and updated notes and problem sets. Piloted a new Calculus course under the "Go At Your Own Pace" model. Oversee incoming graduate mathematics TA's, provide observations of TA classroom teaching, Oversee the MAC2311 online sections, including dual enrollment and distance learning. Worked with COIP to completely revamp the online MAC2311 course.	2023 -
Mathematics Lecturer (University of Florida) Gainesville, Florida	2022 -
Mathematics Teaching Assistant (Northwestern College) Orange City, Iowa	2022 – 2023
Graduate Teaching Assistant (University of Florida) Gainesville, Florida	2017 – 2022
Promise Program Summer Instructor A program offered through the OAS (Office of Academic Support). I served as a mathematics instructor for two years to help first-year students transition to college and succeed.	2018 – 2019
Prometric Test Administrator (University of Florida) Gainesville, Florida	2016 – 2018
STEM Tutor (Sylvan Learning Center) Merritt Island, Gainesville, FL Worked with various K-12 kids on mathematics courses and test prep.	2014 – 2017
Mathematics/Science Tutor III (Tutor.com)	2013 – 2016
Resident Tutor (Spyglass apartments) Gainesville, FL Created my own tutoring lab at my apartment complex. Residents could come in and receive tutoring in various STEM courses.	2015

Club Z Tutoring Brevard County, FL
Provided homework help to students in the Brevard County area.

2014 - 2015

University Service

Faculty Advisor for SwampCon 2023 -

UF Math Teaching Methods Committee 2023 -

UF Math TA Training Committee 2023 -

Commencement Marshal 2023 -

I serve as a marshal for students graduating during the Fall and Spring. This involves directing students and planning and coordinating logistics with other marshals.

Preview Mentor (University of Florida) Gainesville, Florida 2025 -

Will train first-year advisors on how to advise incoming students.

Preview Advisor (University of Florida) Gainesville, Florida 2023 -

Met with first-year students at orientation to help them choose courses.

STEPUP Calculus Coordinator (University of Florida) Gainesville, Florida 2021 -

Piloted and developed the Calculus 1 and Calculus 2 curriculum for the bridge program in the Herbert Wertheim school of engineering. Managed multiple TA's and over 50+ students per summer semester.

Mathematics Tutor (University Athletics Association) Gainesville, Florida 2017 – 2019

Instructed student athletes across many areas of mathematics. Coached students on effective study habits and scheduling.

Scholarship interests

Number Theory, Partitions, Mathematics Education.

Teaching Experience

University of Florida 2017 – present

- Precalculus (MAC1147)
- Precalculus Algebra (MAC1140)
- Trigonometry (MAC1114)
- Calculus 1 (MAC2311)
- Calculus 1 Online (MAC2311)
- Calculus 1 Go At Your Own Pace (MAC2311)
- Calculus 2 (MAC2312)
- Calculus 3 (MAC2313)
- Math for Life Science Majors 2 (MGF1107)
- Number Theory (MAS4203)
- Quest 1 – Narrative of Numbers (IDS2935)

- Honors Uncommon Read (IDH2930)
 - Business topics (The Starfish and the Spider)
 - Game Theory (Art of Strategy)

Presentations

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| (1) University Mathematics Society (UMS) (Invited) | 2025 |
| TBD | |
| (2) Joint Mathematics Meetings (JMM) (Invited) | 2022 |
| Rank and Crank partition congruences and quasi-modular forms – Special Session on Early career number theory research with combinatorics, modular forms, and basic hypergeometric series. Seattle, Washington. | |
| (3) Graduate Mathematics Association (GMA) (Invited) | 2021 |
| A friendly introduction to partition theory, ranks, crank, and modular forms. Gainesville, Florida. | |
| (4) Seminar in Topological Groups (Final Project) | 2020 |
| The Compactness Principle | |
| Gainesville, Florida | |
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Other Activities and Awards

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| CollegeBoard AP Calculus Grader | 2025 - |
| UF Symphony Orchestra member (Violinist) | 2022 - |
| Fellow in Assessment Collegeboard AP Calculus AB | 2024 |
| STEPUP Program Instructor Award | 2023 |
| UF Graduate Mathematics Association Vice President | 2019 – 2020 |
| UF Graduate School Joe Alfred Teaching award | 2018 - 2019 |
| UF Objects in Motion Vice President | 2017 – 2018 |
| Tutor of the month award recipient. (Tutor.com) | 2015 |