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RESEARCH INTERESTS

Riemannian and Lorentzian Geometry, Microlocal Analysis, Inverse Problems

I am currently working on extending results about near-Euclidean boundary rigidity to near-Minkowski boundary rigidity.

EDUCATION

Emory University,   Atlanta, GA
PhD Mathematics   Expected May 2025
Advisor: Yiran Wang

University of Redlands,   Redlands, CA
B.S. Mathematics and Computer Science   Graduated Apr 2020
Cumulative GPA: 3.97/4.00

ACADEMIC HONORS & AWARDS

Allen R. Killpatrick Pi Award   2019
Awarded by the University of Redlands to an outstanding sophomore mathematics student.

Edison Scholarship in the Sciences   2018
Awarded by the University of Redlands for exceptional achievement and promise in the sciences.

TEACHING EXPERIENCE

Instructor of Record   Emory University
Department of Mathematics   Aug 2022 – May 2023
Taught Calculus 1 co-ordinated by Dr. Juan Villeta-Garcia in the fall and Calculus 2 co-ordinated by Dr. James Nagy in the spring.

TA   Emory University
Department of Mathematics   Aug 2021 – May 2022
Worked under Dr. Mike Carr then Dr. Andrew Kobin the for the class Advanced Calculus for Data Science.

Grader   Emory University
Department of Mathematics   Aug 2020 – May 2021
Worked under Dr. Mike Carr for the class Advanced Calculus for Data Science.

TA   University of Redlands
Department of Mathematics and Computer Science   Aug 2019 – Dec 2019
Worked under dr, Tamara Veenstra, helped facilitate a class for freshman and advised them for their freshman year.

TECHNICAL SKILLS

Java, Python, JavaScript, LaTeX, HTML/CSS

LANGUAGES

English (Fluent)
American Sign Language (Conversational)

CITIZENSHIP

American

HOBBIES & PASSIONS

Board games, cooking, rock climbing and baking.

I currently organize a rock climbing group for fellow Emory math graduate students and help organize a weekly soccer game for the Emory math graduate school