

Chase Fleming

Mathematician

About

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Coding

Intermediate

Python SAS and R

C/C++ Git

Office Software

Master

Microsoft Office Suite

Powerpoint, Excel, Word

Typesetting

Master

LaTeX

Languages

English (*Native speaker*)

Korean (*Intermediate*)

Interests

Mathematics

Functional Analysis

Set Theory

Foundations of Quantum
Mechanics

Music Collecting

Black Metal

Death Metal

Cassette & CDs

Summary

I am a mathematics PhD student at the University of South Carolina under the advisorship of Dr. George Androulakis. My research interests include set theory, general topology, functional analysis, quantum information, and foundations of quantum mechanics.

Experience

Graduate Instructor

01/2019 - Present

Throughout my time at UofSC, I have been an instructor of record. I have been a teaching assistant for Calculus I and Calculus II. I have been an instructor of record for Basic College Algebra, Calculus for Social Science and Business Majors, and Discrete Math for Computer Science Majors.

- Recognized by UofSC's Student Disability Resource Center for my excellence in assisting students with disabilities.

Education

Johns Hopkins University

01/2014 - 01/2019

Bachelor of Arts Mathematics

University of South Carolina

01/2019 - Present

PhD Mathematics

- Qualifying Exams passed in January 2021. Comprehensive exams passed in September 2022. Topics for comprehensive exams: Functional

Analysis, Set Theoretic Topology & General Topology II, and Category Theory.

Volunteer

University of South Carolina Math Department

01/2022 - 01/2023

Host of Fluid Dynamics

I was responsible for hosting the math department's sanctioned weekly social. I was responsible for helping first year students integrate into our department by introducing them professors and senior graduate students.

Awards

David L. Boren Fellowship

01/2023 - 01/2024

National Security Education Program

The Boren fellowship awards funding to graduate students in order to study critical languages. I was chosen for the 2023-2024 school year. I lived in Seoul, South Korea from August until June. While there, I participated in roughly 20 hours of language study per week at Sogang University's Korean Language Education Center. I went from having zero language skill to an intermediate speaker in this time frame.