

Eleanor S. Waiss

CONTACT INFORMATION

 ewaiss@butler.edu
 eleanorwaiss.github.io

EDUCATION

Butler University, Indianapolis, IN USA May 2025
B.S., Mathematics and Actuarial Science
(expected) *Cum laude* with Highest Distinction
Minor in Computer Science
GPA: 3.9/4.0

RESEARCH INTERESTS

Complex Dynamics, Number Theory, and Computer Science

AWARDS AND HONORS

National Finalist, Barry Goldwater Fellowship
Robert O. Whitesell Endowed Scholar in Mathematics, *Butler University*

PAPERS

(submitted to journal)
Geometric Limits of Sums of Iterated and Fixed Polynomials
with A. Kapiamba and S. Kaschner

(in progress)
Optimal Frequency Algorithm for Sums of Consecutive Primes
with J. Sorenson

INVITED PRESENTATIONS

A Limited History of Complex Dynamics
Department of Mathematics Colloquium Series, Butler University, 12 April 2024

Developing Intentional Practices and Cultivating an Inclusive Environment for Trans,
Non-Binary, and Genderqueer Students (with D. Beh, et al.)
Inclusive Pedagogy Workshop, Butler University, 24 March 2023

CONTRIBUTED LECTURES AND POSTERS

(planned) Algorithms to Write Integers as Sums of Consecutive Primes
INTEGERS 2025, Athens, GA USA, May 2025.

(planned) From FTOC to Generalized Stokes' Theorem
URC 2025, Butler University, 11 April 2025.

(planned) On Gleeful Algorithms
URC 2025, Bulter University, 11 April 2025.

(planned) A Gleeful Algorithm: Enumerating Sums of Consecutive Primes (poster)
BIGEAST Research Poster Symposium, New York City, NY USA, 15 March 2025

Geometric Limits of Julia Sets of Sums of Iterates and Powers of Polynomials
Joint Mathematics Meetings, San Francisco, CA USA, 6 January 2024
Dynamical Systems and their Applications, Miami, OH USA, 29 September 2023

Dabbling in Dobble!: An Exploration of Monomatching Games (poster)
Indiana MAA Fall Sectional Meeting, Terra Haute, IN USA, 22 October 2022

EXPERIENCE

Student Researcher
May 2024–August 2024

Department of Computer Science
Butler University, Indianapolis IN

Summer research funded by internal grant. Worked with Dr. Jon Sorenson on computational number theory and theoretical computer science.

Mathematics Tutor
August 2022–Present

Department of Mathematical Science,
Butler University, Indianapolis IN

Elevated student success through developing understanding, improving communication, and overcoming anxiety towards mathematics. Classes supported include single- and multivariate-calculus, linear algebra, elementary statistics, and discrete mathematics. Supported drop-in lab hours, private tutor requests, and course-wide final exam reviews.

Actuarial Intern
May 2023–August 2023

OneAmerica Financial Partners, Inc.
Indianapolis IN

Intern with individual life pricing team. Projects include rate setting for indexed products, creation of a rate update memo to be distributed monthly to general agents, database creation for annual financial planning, and decrement model sensitivity/competitiveness analysis for term life products.

DEPARTMENTAL
SERVICE

Butler University, Indianapolis, IN USA

Coordinator, Mathematics Lab

Mathematics Lab Tutor

Athletics Tutor - Mathematics

Actuarial Science Club President

May 2024 to Present

August 2022 to April 2024

June 2023 to April 2024

September 2022 to August 2023

EXTRACURRICULAR
SERVICE

Resident Assistant, Butler Residence Life | *May 2024–May 2025*

President, Dawgs and Dice TTRPG Club | *May 2023–May 2024*

Treasurer, LGBTQIA+ Alliance | *May 2022–May 2023*

National Polestar Coordinator, Order of the Arrow | *August 2021–September 2022*

PROFESSIONAL
AFFILIATIONS

Spectra: The Association for LGBTQ+ Mathematicians

oSTEM: Out in STEM

Society of Actuaries

Mathematical Association of America

Kappa Mu Epsilon