WILL HOFFER

Website: https://willhoffer.com & Email@willhoffer.com

EDUCATION

Doctorate of Philosophy in Mathematics (Ongoing)

September 2019 - Present

University of California, Riverside

Expected June 2025

· Doctoral Candidate (Completion of written and oral qualifying examinations)

Advanced June 2021

· Dissertation Advisor: Dr. Michel L. Lapidus

· Overall GPA: 3.99/4.00

Masters of Mathematics

September 2019 - June 2021

University of California, Riverside

Awarded June 2021

· Overall GPA: 3.98/4.00

Bachelors of Science in Mathematics and Physics

August 2015 - May 2019

The Ohio State University

Awarded May 2019

 \cdot Graduated with Honors in the Arts & Sciences

· Overall GPA: 3.68/4.00

PROFESSIONAL APPOINTMENTS

Associate Instructor

Winter 2022 - Present

Mathematics Department

University of California, Riverside

· I have been the primary instructor for five undergraduate mathematics courses. See the teaching experience section for more information.

Teaching Fellow

Fall 2021

Mathematics Department

University of California, Riverside

· I provided essential mentorship and teaching training for first year graduate students, including teaching observations, individual meetings, and progress reports.

UCR Graduate Division: Graduate Student Mentor

Fall 2021 - Spring 2022

ht tps://gradmentors.ucr.edu/

University of California, Riverside

· I mentor a group of first year graduate students, helping them to adjust and succeed at UCR.

Microtutorials in Mathematics Video Program

Spring 2020

https://microtutorials.ucr.edu/

University of California, Riverside

· Content creator for UCR's mathematics supplementary instructional videos project

Teaching Assistant

September 2019 - Present

Mathematics Department

University of California, Riverside

· I have been the teaching assistant, additional lecturer, and/or grader for a variety of different courses, and have taught both online and in-person. See the teaching experience section for more information.

Student Instructional Associate

August 2016 - Spring 2019

Mathematics Department

The Ohio State University

· I was a teaching assistant and grader for lower division courses, and I was a tutor for the Mathematics and Statistics Learning Center. See the teaching experience section for more information.

RESEARCH & PUBLICATIONS

Research Interests

- · My research interests include:
 - Asymptotic Analysis, including resurgence theory, Borel summation, and Stokes phenomenona;
 - Fractal Geometry, including theory of complex (fractal) dimensions, geometric and spectral zeta functions, and applications of fractality in topological data analysis;
 - Analytic Number Theory, including explicit formulae for counting functions and study of error correcting codes through group algebras; and
 - Mathematical Physics, including quantum mechanics and field theories, heat and Dirichlet equations on fractals, and places of overlap with the aforementioned subjects.

Publications (Peer Reviewed)

- · Will Hoffer, Tube formulae for generalized von Koch fractals through scaling functional equations. J. Fractal Geom. (2024), published online first.
- · W. Hoffer, A. Vengal, and V. Winstein, "The Structure of Biquandle Brackets," *Journal of Knot Theory and its Ramifications*, Vol. 29, Is. 6 (May 2020.) https://doi.org/10.1142/S021821652050042X

Undergraduate Research Mentorship

April 2023-Present

University of California, Riverside

· I have been running an undergraduate research project in fractal geometry. The students are describing fractal sponges such as the Menger Sponge through their prefractal approximations. In the April-May 2023 and April-May 2024, this research program was supported through UCR's Math 197 courses. It has continued independently in the time between.

FELLOWSHIPS AND ACADEMIC ACCOLADES

Best Lightning Talk Award

Spring 2024

 $ht\ tp\ s: //pc\ al\ la\ ar\ t3$. wix $si\ te$. com/conference/lightning-talk-winners Dynamical Systems and Fractal Geometry Conference

· I received the first place award for my research presentation given at the Dynamical Systems and Fractal Geometry Conference, hosted at the University of North Texas.

The Jones Fellowship

Winter 2023

 $ht\ tp\ s: // ma\ th\ de\ pt\ .u\ cr\ .e\ du\ /j\ on\ es\ -f\ el\ lo\ ws\ hi\ p$

University of California, Riverside

· I received a fellowship for academic and research support equivalent to a half-teaching appointment based on academic merit and department service.

The John C. Fay Fellowship

Winter-Spring 2023

ht tps://sites.google.com/view/ucr-vsdl-fay-fellowship/

U.C. Riverside

· I organized and delivered a series of lectures and discussions to prepare graduate students for the invited Victor L. Shapiro Distinguished Lecture in Mathematics given by Sir Michael Berry.

Department of Mathematics Teaching Fellow

Fall 2021

University of California, Riverside

· I mentored and trained first year graduate students becoming university teaching assistants through teaching observations, individual meetings, and progress reports.

Research Poster Competition: First Place Award

Spring 2018

Shenandoah Undergraduate Mathematics and Statistics Conference (SUMS) Conference

James Madison University

· My co-authors Adu Vengal and Vilas Winstein and I were awarded the first place award for our research on knot theory conducted under the guidance of Sergei Chmutov at the Ohio State University.

Additional Academic Accolades

- · Member of Phi Beta Kappa Honorary Society (Inducted Spring 2019)
- · Ohio State Maximus Scholarship Recipient (2015-2019)
- · Ohio State Mathematics Department Scholarship Recipient
- · Ohio State Dean's List (Multiple semesters between 2015-2019)

TEACHING AND SERVICE ACCOLADES

Vernon A. Kramer Memorial Service Award

Awarded Spring 2023

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· I was awarded for above-and-beyond service to the department including my organization of two seminars, mentorship of graduate students, and leadership in two in student organizations.

University Teaching Certificate

Awarded Spring 2023

GradSuccess at University of California, Riverside

· I received university certification for the completion of a training program in research-based pedagogy techniques and theory run through the Graduate Division of UC Riverside.

Outstanding Teaching Assistant Award

Awarded Spring 2022

University of California, Riverside

· I received a department-level award through Graduate Division recognizing excellence in my role as a teaching assistant.

CONFERENCE PRESENTATIONS & INVITED SEMINAR TALKS

These are the conferences and institutions at which I have presented my research and/or been invited to give a talk.

Claremont Center for Mathematical Sciences: Topology Seminar

October 2024

ht tps://pzacad.pitzer.edu/math/TopologySeminar/

The Claremont Colleges

· Tube Formulae for Fractal Snowflakes

Dynamical Systems and Fractal Geometry Conference

May 2024

ht tps://pcallaart3.wixsite.com/conference

University of North Texas

- · Complex Dimensions of Fractal Snowflakes
- · Received the award for the best lightning talk for this presentation

Joint Mathematics Meeting

January 2024

ht tps://meetings.ams.org/math/jmm2024/meetingapp.cgi/Paper/31918 $Francisco,\ CA$

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San

• Tube Formulae for Generalized von Koch Fractals through Scaling Functional Equations 01/05/2024

California State University: Graduate Mathematics Seminar

Spring 2023

ht tps://math.csuci.edu/current-students/seminar.htm California State University: Channel Islands

04/03/2023

California State University: Undergraduate Mathematics Seminar

Spring 2023

ht tps://math.csuci.edu/current-students/seminar.htm California State University: Channel Islands

· Can One Hear the Shape of a Fractal Drum?

04/03/2023

Joint Mathematics Meeting

January 2023

 $ht\ tp\ s: //www.\ jo\ in\ tm\ at\ he\ ma\ ti\ cs\ me\ et\ in\ gs\ .o\ rg\ /m\ ee\ ti\ ng\ s/\ na\ ti\ on\ al\ /j\ mm\ 20\ 23\ /2\ 27\ 0_pr\ og\ ra\ m_\ sp\ ec\ ts\ s1\ .h\ tm\ l$ $Botson,\ MA$

· On Asymptotic Expansions with Complex Exponents and their Applications

01/06/2023

7th Cornell Conference on Analysis, Probability, and Mathematical Physics on Fractals June 2022

ht tps://alexander-teplyaev.uconn.edu/cornell7/speakers/ Cornell University

Tube Formulae for Generalized von Koch Fractals 06/05/2022

American Mathematical Society, Western Sectional Meeting Spring 2022 https://meetings.ams.org/math/spring2022w/meetingapp.cgi (Virtual)

· Borel Summability and Series with Complex Powers

05/14/22

American Mathematical Society, Western Sectional Meeting

Fall 2021

 $ht\ tp://www.\ ams.\ org/amsm\ tgs/2283_abs\ tr\ ac\ ts/1\ 172-3\ 0-2\ 03\ .p\ df$

American Mathematical Society, Western Sectional Meeting

(Virtual) 10/23/2021

\cdot On Stokes Phenomena and Geometric Zeta Functions

May 2021

 $ht\ tp\ s: //\ ww\ w.\ am\ s.\ or\ g/\ am\ sm\ tg\ s/\ 22\ 82\ _a\ bs\ tr\ ac\ ts\ /1\ 16\ 7-5\ 1-1\ 51\ .\ p\ df$

(Virtual)

· On resurgent analysis of explicit formulae in fractal geometry

05/01/2021

Functional Analysis and Mathematical Physics Seminar

December 2020

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California State University: Fresno

· From Rainbows to Resurgence: Asymptotics of the Airy Function

12/11/20

CONFERENCES, WORKSHOPS, & RESEARCH PROGRAMS

These are the conferences, workshops, and research programs which I have attended, presented at, and/or been an active participant in.

Joint Mathematics Meeting

January 2024

ht tps://jointmathematicsmeetings.org/meetings/national/jmm2024/2300_program_spectss1.html

· I presented my research at the Joint Mathematics Meeting the the Spectra Special Session on Research by LGBTQ+ Mathematicians.

Machine Learning

June 26-July 7, 2023

Summer Graduate School

SLMath Institute (Formerly MSRI) and U.C. San Diego

· I participated in a series of lectures and problem sessions on topics in machine learning and topological data analysis, including topics such as deep neural nets, kernel methods, persistence homology and its implementation, and more.

Rethinking Number Theory

June 12-23, 2023

AIM Research Community

American Institute of Mathematics

· I contributed to a research project in number theory as well as discussions about how to improve social justice, equity, and inclusion in the mathematical community.

California State University Invited Talks

Spring 2023

ht tps://math.csuci.edu/current-students/seminar.htm

· I was invited to speak at California State University, and I gave two talks: one to undergraduate mathematicians and another about my PhD research.

Joint Mathematics Meeting

January 2023

ht tps://www.jointmathematicsmeetings.org/meetings/national/jmm2023/2270_ program_spectss1.html

· I presented my research at the Joint Mathematics Meeting the Spectra Special Session on Research by LGBTQ+ Mathematicians.

LGBTQ+ Math Day

Annually on November 18

http://www.fields.utoronto.ca/activities/22-23/LGBTQplus The Fields Institute

· I attend the LGBTQ+ Math day conferences about research and experiences of LGBTQ+ mathematicians in 2020 and 2021.

7th Cornell Conference on Analysis, Probability, and Mathematical Physics on Fractals June 2022

ht tps://alexander-teplyaev.uconn.edu/cornell7/speakers/

· I presented on my current research regarding tube formula and von Koch snowflakes.

American Mathematical Society, Western Sectional Meeting

October 2021

 $ht tp://www. ams. org/amsmtgs/2283_abstracts/1172-30-203.pdf$

· I was an invited speaker for the Special Session on Research in Mathematics by Early Career Graduate Students.

Spectra LGBTQ+ in Mathematics Conference

August 2021

ht tps://icerm.brown.edu/topical_workshops/tw-21-smc/

· I attended the first official mathematics conference hosted by Spectra, which included both mathematical research and discussion of obstacles and current work to advance diversity, inclusion, and equity in the field of mathematics.

Summer Graduate School on Random Conformal Geometry

July 2021

Program— The Analysis and Geometry of Random Spaces

 $ht\ tp\ s: //ww\ w.\ ms\ ri\ .o\ rq\ /s\ um\ me\ r_\ sc\ ho\ ol\ s/\ 92\ 2$ Mathematical Sciences Research Institute (MSRI)

- · I was an active participant in a series of lectures and associated problem sessions.
- · We covered topics such as Schramm-Loewner evolution (SLE), conformal and quasi-conformal geometry, conformal quantum field theories, etc.

American Mathematical Society, Western Sectional Meeting

May 2021

ht tps://www.ams.org/amsmtqs/2282_abstracts/1167-51-151.pdf

· I was an invited speaker for the Special Session on Research in Mathematics by Early Career Graduate Students.

Spring school on asymptotic methods and applications

March 2021

 $Program-\ Applicable\ resurgent\ asymptotics:\ towards\ a\ universal\ theory$

ht tps://www.newton.ac.uk/event/araw01/

Isaac Newton Institute (INI)

- · I was an active participant in a series of lectures and associated problem sessions.
- · We covered resurgence as it appears in many forms, including topics such as saddle-point analysis, WKB semiclassical asymptotics, partial differential equations, and Jean Écalle's general theory.

Southern California Analysis and Partial Differential Equations November 2019

SCAPDE Conference University of California, San Diego

· I attended the conference, with talks described here: https://mathweb.ucsd.edu/~scapde/2019/S CAPDE_2019_TA.pdf.

American Mathematical Society, Western Sectional Meetings

Fall 2019 - Present

· I have been an attendee at many western sectional meetings, held twice a year in the fall and spring (with the exception of the year 2020.) I have listed those in which I was an active speaker separately.

Shenandoah Undergraduate Mathematics and Statistics Conference

10/13/18

ht tp://www.jmu.edu/mathstat/sums/index.shtml

James Madison University

· My collaborators and I presented our research poster on our work entitled: Combining Biquandle Knot Invariants

Young Mathematicians Conference

August 2018

ht tps://ymc.math.osu.edu/2018/program.php Ohio State/National Science Foundation

· My collaborators and I presented our research in a talk entitled: Combining Quandle Cohomological and State-Sum Polynomial Knot Invariants

Denman Research Forum

March 2018 Ohio State

https://ugresearch.osu.edu/Pages/Initiatives-%20Denman-%20Accepted%20Abstracts.aspx

 \cdot I presented a research posted entitled: Invariants for tricolorable knots \mathcal{E} links

Knots & Graphs Program

Summer 2017 & Summer 2018

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The Ohio State

· I participated in a research program focused on the mathematical theory of knots. As part of the program, I gave a series of talks with my collaborators and produced research that went on to be published in an academic journal.

HOME CAMPUS/DEPARTMENT TALKS

Fractal Analysis, Dynamical Systems, and Mathematical Physics Seminar 2020-Present http://www.math.ucr.edu/~frgmpds/seminars.html University of California, Riverside

- · OHeat Equations on Fractals 10/17/24
- On Complex Dimensions of the Attractors of Self-Similar Iterated Function Systems

 05/23/24

 Fractal Tube Formula through Scaling Functional Equations

 02/01/24
- · Fractal Tube Formula through Scaling Functional Equations 02/01/24
- Tube Formulae for Generalized von Koch Fractals 10/12/23
- $\cdot \ \textit{On Complex Dynamics and Fractal Geometry Orbits, Conjugacy, and Modern Machinery} \quad 06/02/23$
- Studying Parabolic Diffeomorphisms through Resurgence and Fractal Analysis
 On Spaces of Formal and Analytic Expansions with Exponents in the Complex Plane
 02/23/23
- · Toward Tube Formulae for Generalized von Koch Fractals 05/20/22

				00 /15 /00
	Borel Summation and Series with Complex Powers On the Stipling Series for the Common Powers			02/17/22
	On the Stirling Series for the Gamma Function			02/10/22 $11/04/21$
	On Heat Content Asymptotics of some Planar Fractals On Zeta Functions and the Stokes Phenomenon			04/15/21
	Rainbows Quantum Billiards, and the Birth of Reflections: Segue in	nto Resurae	en ce	11/12/20
	Rainbows Quantum Billiards, and the Birth of Reflections: Stokes I	_		10/22/20
	A First Introduction to Resurgence, Part II	пенотени	Блетријиса	05/27/20
	A First Introduction to Resurgence, Part I			03/21/20 $04/16/20$
	11 1 itst Thirouticitott to Testingenee, T utt 1			04/10/20
	Mathematical Physics:		III: 1 0000	D (
	Experiment, Structure, & Framework Seminar University of California, Riverside		Winter 2022	- Present
•	Discussion on Geometric Optics, Mathematical Catastrophes, and I	Related Top	pics	04/14/23
•	Classifying Optical Caustics with Elementary Catastrophes			02/24/23
•	Asymptotics of the Airy Function			03/03/22
	Analysis Seminar		Spring 2022	- Present
	lem:lem:lem:lem:lem:lem:lem:lem:lem:lem:	o me	University of (California,
	On the Stirling Series for the Gamma Function			02/10/22
	Graduate Student Seminar		Winter 2020	- Present
	ht tps://ams-at-ucr.github.io/gradsem/	University	of California,	Riverside
	Lightning Talk (5 min) on my Research			10/06/23
	Snow White Light & the Seven Elementary Catastrophes			02/17/23
	Functions that Count			01/27/23
	Divergence is only the Beginning			01/14/22
	Sites & Bytes: Website Workshop			11/19/21
	Melting Snowflake Fractals			11/12/21
	This is not the title of this talk			10/08/21
	On Resurgent Analysis of Explicit Formulae in Fractal Geometry			04/30/21
	$Resurgence \ \mathcal{E} \ Fractals$			01/15/21
•	Keeping up with the Bernoulli's			01/31/20
	Analytic Number Theory			Fall 2021
	Mathematics Course Presentation (Math 245)	University	of California,	Riverside
	Explicit Formulae in Number Theory			12/07/21
	Fractal Geometry, Complex Dimensions, & Zeta Functions			Fall 2020
	Mathematics Course Presentation (Math 260)	University	of California,	Riverside
	Proof of the Pointwise Explicit Formula			12/17/20
	Mathematics of Quantum Mechanics		Wi	nter 2020
	•	University	of California,	Riverside
	Deriving the Schrodinger Equation from Feynman's Path Integral			03/13/20
	Wave Equations and General Relativity Seminar		Fall 2021-Sp	ring 2020
		University	of California,	_
	Calculus on Manifolds, Part I	-		2/03/2019
				. ,

· Calculus on Manifolds, Part II	1/07/2020
· Introduction to the Physics of Relativity	4/13/20
· The Einstein Equation Cauchy Problem	05/11/20
Knots & Graphs Program	Summer 2017 & Summer 2018
ht tps://people.math.osu.edu/chmutov.1/wor-gr-su18/wor-gr $University$	r. ht m The Ohio State
· Enhanced Kauffman bracket	7/7/17
· Tricoloring number of links	7/21/17
· Tricolorings, Keis, and Quandles	6/25/18
· Two cocycles of quandles and the state sum invariants	7/9/18
· Cohomology, biquandles, and bracket invariants	7/23/18
Reading Classics Seminar	Spring 2017 - Autumn 2018
$ht\ tp\ s: //\ pe\ op\ le\ .m\ at\ h.\ os\ u.\ ed\ u/\ si\ nn\ ot\ t.\ 1/\ Re\ ad\ in\ gC\ la\ ss\ ic\ s/$	The Ohio State University
· Origami & Geometry - Paper Folding and Greek Geometry	3/28/18
· Kepler's Laws in Newton's 'Philosophiae Naturalis Principia Mathema	·
· Euler's 'Principia pro motu de sanguinis per arterias determinando'	10/31/18
What Is? Seminar	6/14/18
$ht\ tp\ s: //$ ma $th\ .o\ su\ .e\ du\ /w\ ha\ ti\ s$	The Ohio State University
· What is the Yang-Baxter Equation?	

Abstract Algebra, Math 5590H

11/29/18

ht tps://people.math.osu.edu/gautam.42/A18/calendar.html

The Ohio State

University

· The Stone-von Neumann-Mackey Theorem: Equivalence of Heisenberg Group Representations

TEACHING EXPERIENCE

Associate Instructor

Winter 2022-Present

Mathematics Department

University of California, Riverside

- · I have been the primary instructor of record for the following courses at UCR:
 - Calculus for Life Sciences Math 7A (Fall 2023) Undergraduate; Size: 101 Students; Format: In-Person
 - Calculus of Several Variables Math 10B (Summer 2023) Undergraduate; Size: 20 Students; Format: In-Person
 - Calculus for Life Sciences Math 7B (Fall 2022) Undergraduate; Size: 88 Students; Format: In-Person
 - Calculus for Life Sciences Math 7B (Spring 2022) Undergraduate; Size: 69 Students; Format: In-Person
 - Calculus for Life Sciences Math 7A (Winter 2022) Undergraduate; Size: 91 Students; Format: Hybrid (Online & In-Person)

Department Instructor

Summer 2022-Present

Mathematics Department

University of California, Riverside

· I have been employed as the primary instructor for several graduate level courses/workshops.

• Real Analysis Qualification Exam Workshop

Graduate; Size: 7 Students; Format: Hybrid (Online & In-Person)

• Real Analysis Qualification Exam Workshop Graduate; Size: 6 Students; Format: In-Person Summer 2023

Summer 2024

• Real Analysis Qualification Exam Preparation Seminar Graduate; Size: 4 Students; Format: Hybrid (Online & In-Person)

Summer 2022

• Complex Analysis Qualification Exam Preparation Seminar Graduate; Size: 8 Students; Format: Hybrid (Online & In-Person) Summer 2022

Teaching Fellow

Fall 2021

Mathematics Department

University of California, Riverside

- · I mentored and trained new graduate students, in particular those who are new to teaching.
- · I observed graduate student teaching and provided feedback to the students. At the end of the quarter, I wrote reports on their progress to the department.

Microtutorials in Mathematics Video Program

Spring 2020

ht tps://microtutorials.ucr.edu/

University of California, Riverside

· I created content for UCR's mathematics supplementary instructional videos project. These instructional videos and materials are used as assignments in mathematics courses.

Teaching Assistant

September 2019 - Present

Mathematics Department

University of California, Riverside

- · I have been the teaching assistant, additional lecturer, and/or grader for a variety of different courses, and have taught both online and in-person.
- · Upper Division Courses:
 - Ordinary and Partial Differential Equations
- Analysis/Introduction to Measure Theory

• Euclidean and non-Euclidean Geometry

- Introduction to Chaotic and Complex Dynamical Systems
- Undergraduate Research Projects

- · Lower Division Courses:
 - Introduction to College Mathematics for Business and the Social Sciences
 - Precalculus (Study of Elementary Functions, Roots of Polynomials, etc.)
- First Year Calculus
- Calculus for Life Sciences
- Applied Linear Algebra
- Calculus of Several Variables

Student Instructional Associate

 $Mathematics\ Department$

August 2016 - Spring 2019
The Ohio State University

- · I was a teaching assistant and grader for lower division courses, and I was a tutor for the Mathematics and Statistics Learning Center.
- · Courses Taught:
 - College Algebra
- Trigonometry

• Precalculus

LEADERSHIP, PROFESSIONAL SERVICE, & OUTREACH

President of the UCR Student Chapter of Spectra

Fall 2023 - Spring 2024

University of California, Riverside (UCR) Spectra: The Association for LGBTQ+ Mathematicians

· I helped to officially found and now lead a student chapter of Spectra at the University of California, Riverside.

Co-Organizer and Scheduling Coordinator

Fall 2021 - Fall 2023

Fractal Analysis, Dynamical Systems, and Mathematical Physics Seminar

University of California, Riverside

· I invite and schedule the speakers for the FDMP seminar at UCR and collect and announce titles and abstracts on a weekly basis. Formerly, this seminar consisted of two distinct seminars (Fractal Research Group and the Mathematical Physics and Dynamical Systems seminars) before they were merged in 2022.

President of the AMS Graduate Student Chapter

September 2021 - Spring 2024

Local to the University of California, Riverside (UCR)

American Mathematical Society (AMS)

· I am the lead officer, and I am in charge of running UCR's Graduate Student Seminar.

Vice President of UCR's GSA Department Chapter

September 2022 - Spring 2023

Graduate Student Association (GSA) University of California, Riverside

· I served as an officer for the department's local chapter of the university wide graduate student association. We interface with the organization as a whole and plan department events.

Recruitment Ambassador

Fall 2022 - Spring 2023

Mathematics Department

University of California, Riverside

· I helped recruit graduate students to our program through events such as Q&A sessions, meeting individually with students, giving tours, and attending recruitment events.

Spectra Outlist/D.E.I. Recruitment

January 2021 - Present

Spectra: The Association for LGBTQ+ Mathematicians

· I am part of the Spectra Outlist, and in particular provide my contact information and university affiliation. I meet with interested students who reach out to me to tell them about the climate and mathematics program at my university, as well as any other questions they may have.

Professional Memberships

· American Mathematical Society (AMS) Member

September 2019 - Present

· Spectra: The Association for LGBTQ+ Mathematicians Member

November 2020 - Present

Mentorship Positions (Volunteer & Employment)

- · University of California, Riverside: Graduate Student Mentor (Fall 2021 Spring 2022)
- · University of California, Riverside: Teaching Fellow (Fall 2021)
- · University of California, Riverside: Women's Resource Center Graduate Mentor (Fall 2020-Spring 2021)
- · Ohio State University Honors & Scholars Program Peer Mentor (August 2016-May 2019)

SOFTWARE PROFICIENCY

Programming Languages

 \cdot Proficient: Java/Javascript, Python, C/C++, HTML/CSS/SCSS

· Familiar: Ruby, R, Liquid, Julia

Software Programs/Tools

· Proficient: Mathematica, Sagemath, LaTeX, Git/GitHub, RStudio, VSCode

 \cdot Familiar: MatLab