

Keaton Quinn

Department of Mathematics and Statistics
Wellesley College
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Positions Held

Wellesley College, Department of Mathematics and Statistics
*Visiting Assistant Teaching Professor*¹ 2024 – Current

Boston College, Department of Mathematics
Visiting Assistant Professor 2021 – 2024

Education

Ph.D., Mathematics August 2020
University of Illinois Chicago
Department of Mathematics, Statistics, and Computer Science
Advisor: Emily Dumas

B.S., Mathematics, Advanced, with High Honors May 2014
Michigan State University
Lyman Briggs College, Honors College

Publications

A case for teaching about parameters in calculus courses (with Juliana Belding). Preprint
[arXiv:2510.00223](https://arxiv.org/abs/2510.00223), 2025

Conformally flat structures via hyperbolic geometry. Preprint [arXiv:2309.13738](https://arxiv.org/abs/2309.13738), 2023

Asymptotically Poincaré surfaces in quasi-Fuchsian manifolds. Proceedings of the American
Mathematical Society, 148 (2020), 1239-1253.

Mentorship

Undergraduate Research Supervisor:
Multi-member districting and proportional representation AY 2024-25, AY 25-26, Fall 2025

High School Summer Research Program Supervisor:
Comparing redistrictings using Polsby-Popper scores Summer 2025

Student Advising
Informal advising on selection of courses, majors and minors choices, and the graduate school admission process.

Student Mentoring
Worked with an undergraduate student for two years through weekly meetings emphasizing the significance of
coursework, building self-efficacy, and graduate school preparation.

Teaching Assistant Mentoring
Informal work with graduate student teaching assistants on effective pedagogy for discussion section, offering
advice and strategies.

¹Title update August 2025 as a result of union contract negotiation.

Teaching
Wellesley College*Instructor:*

MATH 115 Calculus 1	Fall 2024, Spring 2025
MATH 116 Calculus 2	Fall 2024, Spring 2025, Fall 2025
MATH 205 Multivariable Calculus	Spring 2026
MATH 302 Real Analysis	Spring 2026
MATH 350 Research or Individual Study Math and Democracy	Spring 2025

Boston College*Instructor:*

MATH 1100 Calculus 1 (Life Science Majors)	Fall 2021, Spring 2022, Fall 2022
MATH 1101 Calculus 2 (Life Science Majors)	Spring 2024
MATH 1103 Calculus 2 (Mathematics/Science Majors)	Fall 2021, Fall 2022, Fall 2023
MATH 2210 Linear Algebra	Spring 2023
MATH 4480 Differential Geometry	Spring 2024

University of Illinois Chicago*Instructor:*

MATH 090 Summer Enrichment Workshop College Algebra	Summer 2016, Summer 2019
MATH 179 Emerging Scholars Program (ESP) Calculus 1	Fall 2015
MATH 182 ESP Calculus 2	Spring 2016
MATH 211 ESP Calculus 3	Spring 2018, Fall 2018, Fall 2019
MATH 294 ESP Introduction to Advanced Mathematics	Fall 2016, Spring 2017, Fall 2017

Teaching Assistant:

Asian American Resource and Cultural Center Tutor	Fall 2017
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Grader:

MATH 215 Introduction to Advanced Mathematics	Spring 2015, Fall 2016
MATH 310 Applied Linear Algebra	Summer 2020
MATH 417 Complex Analysis	Fall 2019
MATH 547 Algebraic Topology 1	Fall 2016
MATH 549 Differentiable Manifolds 1	Spring 2017

Michigan State University*Instructor:*

OsteoCHAMPS Math Instructor (College of Osteopathic Medicine)	Summer 2014
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Teaching / Learning Assistant:

LB 118 Calculus 1	Spring 2011, Spring 2012
LB 119 Calculus 2	Spring 2013, Fall 2013, Spring 2014
LB 220 Calculus 3	Fall 2011, Fall 2012
MTH 153H Honors Calculus 2	Fall 2013
MTH 299 Transitions	Fall 2013, Spring 2014
MTH 317H Honors Linear Algebra	Spring 2014

Organization

Conferences:

Math For All (Boston Satellite)	February 25, 2023, April 6, 2024
Conference designed to foster inclusivity in mathematics	
Graduate Student Topology and Geometry Conference 2018	April 7-8, 2018
Chicago Area SIAM Student Conference	April 16, 2016

Seminars:

Wellesley Math Department Teaching Seminar	2025 - Current
Monthly seminar on math pedagogy	
Wellesley Math Colloquium	2024 - Current
Monthly broad-audience research talks	
Out in Math Seminar	2018 – 2020
For LGBT graduate students in mathematics at UIC	
UIC Graduate Geometry, Topology, and Dynamics Seminar	2018 – 2019

Service

Tutor and Grader Coordinator	2025 - Current
<i>Dept. of Math & Stats, Wellesley College</i>	
AMS Secretary	2016 – 2020
<i>UIC AMS Student Chapter</i>	
SIAM Secretary	2015 – 2016
<i>UIC SIAM Student Chapter</i>	
QED Youth Math Symposium Judge	December 2015
<i>Math Circles of Chicago</i>	
Math Learning Center (Neighborhood) Supervisor	2013 – 2014
<i>Department of Mathematics, MSU</i>	

Invited Talks and Presentations

<i>Isometric immersions and the Gauss-Codazzi equations at infinity</i>	March 2024
Everytopic Seminar, Brandeis University	
<i>Mastery-based grading in linear algebra</i>	November 2023
Teaching Seminar, Boston College	
<i>Foliations of hyperbolic ends</i>	September 2022
Topology Seminar, University of Wisconsin, Milwaukee	
<i>Asymptotics of foliations in quasi-Fuchsian manifolds</i>	October 2021
Geometry and Topology Seminar, Boston College	
<i>Limits of k-surfaces</i>	May 2019
Geometry and Topology Seminar, University of Luxembourg	
<i>An Introduction to Differential Geometry</i>	February 2018
Math Graduate Student Colloquium, UIC	
<i>The Many Flavors of Teichmüller Space</i>	March 2017
Math Graduate Student Colloquium, UIC	
<i>Inverse Modeling of Dynamical Systems</i>	August 2011
Michigan Mathematics REU Conference, Hope College	

Awards and Honors

RTG Pre-Doctoral Fellowship	Fall 2014, Spring 2015, Summer 2018
<i>Department of MSCS, UIC</i>	
Academic Excellence Award	May 2014
<i>Lyman Briggs College, MSU</i>	
Teaching Assistant Award (Honorable Mention)	April 2014
<i>Department of Mathematics, MSU</i>	
Paul and Wilma Dressel Endowed Scholarship	April 2013
<i>Department of Mathematics, MSU</i>	
Paul and Gertrude Parker Scholarship	April 2011
<i>Lyman Briggs College, MSU</i>	
Doctor Ronald C Hamelink Scholarship	December 2010
<i>Lyman Briggs College, MSU</i>	

Affiliations

United States Citizen
Phi Beta Kappa