Keaton Quinn

Department of Mathematics
Wellesley College
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Academic Positions

Visiting Lecturer   2024 – Current
  Wellesley College

Visiting Assistant Professor   2021 – 2024
  Boston College

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

Conformally flat structures via hyperbolic geometry. Preprint arXiv:2309.13738, 2023

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

Invited Talks and Presentations

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

Awards and Honors

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

Organization

Conferences:
Math For All (Boston Satellite)   February 25, 2023, April 6, 2024
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
Wellesley Math Colloquium   2024 - Current
Out in Math Seminar (for LGBT graduate students in mathematics)   2018 – 2020
UIC Graduate Geometry, Topology, and Dynamics Seminar   2018 – 2019

Service

AMS Secretary   September 2016 – 2020
UIC AMS Student Chapter
SIAM Secretary   September 2015 – May 2016
UIC SIAM Student Chapter
QED Youth Math Symposium Judge   December 2015
Math Circles of Chicago
Math Learning Center (Neighborhood) Supervisor   August 2013 – May 2014
Department of Mathematics, MSU

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

Institute for Mathematics and Democracy:
Undergraduate Research Supervisor:
  - Multi-member districting and proportional representation   Fall 2024, Spring 2025
High School Summer Research Program Supervisor:
  - Comparing redistrictings using Polsby Popper scores   Summer 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 at Chicago
Instructor:
MATH 090 Summer Enrichment Workshop College Algebra   Summer 2016, Summer 2019
MATH 179 Emerging Scholars Program (ESP) Calculus I   Fall 2015
MATH 182 ESP Calculus II   Spring 2016
MATH 211 ESP Calculus III   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

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 I   Fall 2016
MATH 549 Differentiable Manifolds I   Spring 2017

College of Osteopathic Medicine, MSU
OsteoCHAMPS Math Instructor   Summer 2014

Michigan State Univeristy
Teaching Assistant:
LB 118 Calculus I   Spring 2011, Spring 2012
LB 119 Calculus II   Spring 2013, Fall 2013, Spring 2014
LB 220 Calculus III   Fall 2011, Fall 2012
MTH 153H Honors Calculus II   Fall 2013
MTH 299 Transitions   Fall 2013, Spring 2014
MTH 317H Honors Linear Algebra   Spring 2014

Affiliations

United States Citizen
Phi Beta Kappa