Keaton Quinn

Department of Mathematics
Boston College
keaton.quinn@bc.edu

Academic Positions

Visiting Assistant Professor *Boston College*	2021 – Current

Education

Ph.D., Mathematics University of Illinois at Chicago Department of Mathematics, Statistics, and Computer Science Advisor: Emily Dumas	August 2020
B.S., Mathematics, Advanced, with High Honors Michigan State University Lyman Briggs College, Honors College	May 2014

Awards and Honors

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

Publications

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.

Talks and Presentations

Isometric immersions and the Gauss-Codazzi equations at infinity Everytopic Seminar, Brandeis University	March 2024
Mastery-based grading in linear algebra Teaching Seminar, Boston College	November 2023
Foliations of hyperbolic ends Topology Seminar, University of Wisconsin, Milwaukee	September 2022
Asymptotics of foliations in quasi-Fuchsian manifolds Geometry and Topology Seminar, Boston College	October 2021

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	

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:

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

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 (SEW) 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
AMS
SIAM
Phi Beta Kappa

Last Updated: July 16, 2024