

# Keaton Quinn

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

## Academic Positions

Visiting Assistant Professor 2021 – Current  
*Boston College*

## Education

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

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

## 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

*Mastery-based grading in linear algebra* October 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

<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	

## 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
<i>UIC AMS Student Chapter</i>	
SIAM Secretary	September 2015 – May 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	August 2013 – May 2014
<i>Department of Mathematics, MSU</i>	

## 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
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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 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