

Keaton Quinn

Department of Mathematics
Wellesley College
keaton.quinn@wellesley.edu

Academic Positions

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| Visiting Lecturer <i>Wellesley College</i> | 2024 – Current |
| Visiting Assistant Professor <i>Boston College</i> | 2021 – 2024 |

Education

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| 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 |

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.

Awards and Honors

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

Talks and Presentations

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| <i>Isometric immersions and the Gauss-Codazzi equations at infinity</i> Everytopic Seminar, Brandeis University | March 2024 |
| <i>Mastery-based grading in linear algebra</i> Teaching Seminar, Boston College | November 2023 |

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| <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 | |

Organization

Conferences:

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| 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:

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| Out in Math Seminar (for LGBT graduate students in mathematics) | 2018 – 2020 |
| UIC Graduate Geometry, Topology, and Dynamics Seminar | 2018 – 2019 |

Service

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| 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

Wellesley College

Instructor:

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| MATH 115 Calculus 1 | Fall 2024 |
| MATH 116 Calculus 2 | Fall 2024 |

Boston College

Instructor:

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| 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:

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| MATH 090, Summer Enrichment Workshop College Algebra | Summer 2016, Summer 2019 |
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| 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:

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| Asian American Resource and Cultural Center Tutor | Fall 2017 |
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Grader:

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| 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

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| OsteoCHAMPS Math Instructor | Summer 2014 |
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Michigan State Univeristy

Teaching Assistant:

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| 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