

Drew Shotwell

[email](#) | [github](#) | [linkedin](#)

Publications/Conferences

“Increase in Automorphism Groups of Degree Two Rational Maps Under Iteration.”

Master’s Thesis

Advisor: Dr. Benjamin Hutz

Defended Summer 2024.

“Logic as a Calculus of Propositions.”

Undergraduate Senior Capstone

Advisor: Dr. Andrew Parker

Presented at Principia College Fall 2018 and MAA Missouri Chapter Conference Spring 2019.

MAA Mathfest 2017, participant.

Education

M.A. Mathematics.

Saint Louis University

September 2022 - July 2024

B.A. Mathematics and Philosophy.

Principia College

September 2015 - May 2019

GPA: 3.7/4.0 (cumulative)

Work Experience

Post Graduate Teaching Intern (Second Appointment)

Principia College Mathematics Department

January 2023 - May 2023

Much of the same responsibilities from the role before with higher frequency of teaching classes, grading homework, and extended length of office hours.

Software Developer

Keefe Group

January 2022 - August 2022

Part of an enterprise level software development team, tasked with the completion of projects within an Agile sprint system. Work includes .NET development, various modern frontend frameworks, and database operations.

Web Developer

Etrailer.com

June 2020 - October 2021

Responsible for fixing bugs and contributing to new features in Angular, .Net, and SSMS frameworks carried out in an Agile software development cycle. Entailed frequent collaboration and communication with other team members in both remote and on-site work environments.

Post Graduate Teaching Intern

Principia College Mathematics Department

September 2019 - May 2020

Taught introductory and advanced undergraduate classes in math. Graded homework and provided review sessions for examinations. Held office hours for tutoring students with coursework.

WebGL Graphics Programming Research

Principia College Computer Science Department

June 2019 - September 2019

Built an object oriented graphics library in Javascript and WebGL utilizing different methods of shading, texturing, etc. Created an interactive web application (PrinMusic, see GitHub) with a partner utilizing the Three.js library.

Math Tutor

Principia College Mathematics Department

September 2016 - May 2019

Assisted students in Calculus I, Discrete Math, and other coursework. Curated and shared educational resources (videos, websites, etc.) with undergraduate students.

Awards

Honor Roll (>3.80 GPA) S'16/S'18; Dean's List (4.00 GPA) F'17/F'19/S'19.

Congressional Award, Bronze Medal.

Cross Country varsity letter for DIII cross country, 2016-2018, served as designated co-captain Fall 2018.

Honors award for excellence in Philosophy, Spring 2018.

Inducted member of Pi Mu Epsilon.