

Shea Engle—CV—July 21, 2026

shea@math.utah.edu
Department of Mathematics, JWB 206
University of Utah, 155 South 1400 East
Salt Lake City, UT 84112-0090

Employment

University of Utah, Salt Lake City, Utah

Graduate Instructor

Teaching Assistant

Jan. 2022 – Present

Aug. 2021 – Dec. 2021

University of Washington, Seattle, Washington

Teaching Assistant Counselor

Jul. 2019, Jul. 2020

Pierce College, Puyallup, Washington

Lead Tutor

Apr. 2014 – Sep. 2018

Education

University of Utah, Salt Lake City, Utah

PhD Student in Mathematics (advised by Sean Howe, co-advised by Aaron Bertram) 2021 – Present
MS in Mathematics 2023

University of Washington, Seattle, Washington

BS in Mathematics (minor in Dance) 2021

Pierce College, Puyallup, Washington

Associate of Science 2016

Educational Programs

Séminaires de Mathématiques Supérieures, Montréal, Quebec

Universal Statistics in Number Theory May 4 – 15, 2026

Arizona Winter School, Tuscon, Arizona

Computational Aspects of Arithmetic Geometry and Cryptography Mar. 7 – 11, 2026

Arizona Winter School, (Online)

Virtual School on Number Theory Jan. – Apr. 2021

Awards

Pierce College, Puyallup, Washington

Outstanding Tutor of the Year 2016

Outstanding Student of the Year in Physics 2016

Outstanding Student of the Year in Mathematics 2015

Papers

Undergraduate Paper

1. **Regularity of Divergent Series.** Shea Engle.
Math 336 Term Paper

Invited Research Talks

Puyallup Math Society, Puyallup, Washington

Discriminants of Algebraic Number Fields Feb. 2024

Teaching

University of Utah, Salt Lake City, Utah

Math 1320 (Engineering Calculus II) Spring 2026

Math 2210 (Calculus III) Fall 2025

Math 1030 (Intro to Quantitative Reasoning, Online) Spring 2024

Math 1210 (Calculus I, Online) Fall 2023

Math 2280 (Intro Differential Equations) Spring 2023

Math 1320 (Engineering Calculus II), Math 13 (Bridge to Engineering Calculus) Fall 2022

Math 1310 (Engineering Calculus I) Spring 2022

Math 2250 TA (Differential Equations & Linear Algebra) Fall 2021

Pierce College, Puyallup, Washington

Supplemental Instructor for 10×Math 146 (Intro to Stats), Math 107 (Math in Society) 2014-2018

PHYS 114 (General Physics), Math 148 (Business Calculus I)

Mentoring (undergraduate and high school)

University of Utah, Salt Lake City, Utah

Lead a Directed Reading Program (Anton Smolyanyy) Spring 2026

University of Utah, Salt Lake City, Utah

Lead a Directed Reading Program (Sebastian Sanchez) Fall 2021

University of Washington, Seattle, Washington

Teaching Assistant Counsellor for over 50 high school students over two Summers at the University of Washington's SIMUW program, both in person and online.

Jul. 2019, Jul. 2020

Pierce College, Puyallup, Washington

Taught over 150 tutors in a training, led small group exercises, and held mentor meetings with individual tutors weekly.

Apr. 2016 – Sep. 2018

Service / Outreach

TA for 58 high school students at the University of Washington's Online Math Circle.

Fall 2020

President of Pierce College's Math Club, where we led problem sessions,

2015-2016

learned math history, and collaborated with the swing dance club to optimize techniques