

Lila Snodgrass

lsnodgrass@elon.edu | Elon, NC | (412) 689-1311

Education

Bachelor of Arts, Elon University, Elon, NC

May 2026

Pure Mathematics

Bachelor of Fine Arts, Elon University, Elon, NC

Dance Performance and Choreography

Cumulative GPA: 3.9

Achievements & Awards:

Lumen Scholarship Recipient, Pi Mu Epsilon, Outstanding Senior Dance Performance and Choreography Award

Relevant Coursework: Calculus I, II | Multivariate Calculus and Analytical Geometry | Differential Equations | Linear Algebra | Statistics in Application | Real Analysis | Computer Science | Mathematical Reasoning

Research Experience

Elon University Department of Mathematics and Statistics, Elon, NC Fall 2022 – Present

Danceability! Directed by Braid Index (Advisor: Dr. Nancy Scherich)

Publications:

Danceability, Directed by Braid Index

Bridges 2024 Conference Proceedings

Danceability of Twisted Virtual Knots

Bridges 2025 Conference Proceedings

Danceability, a New Definition of the Bridge Index

ArXiv, Under review for research journal

Presentations:

Student Undergraduate Research Day

Elon University

2024

Unknot IV Undergraduate Conference

Seattle University

2024

Bridges Math and Art

University of Richmond

2024

MAA Southeastern Sectional

Highpoint University

2025

Integrating Research in STEM

Elon University

2025

Student Undergraduate Research Day

Elon University

2025

Bridges Math and Art

Eindhoven University of Technology 2025

Interpretation of Math through Dance:

Danceability of Twisted Virtual Knots, Dance Film

Director, Choreographer

Intertwined, Entwine, Site-Specific Dance Work

Choreographer

*Live dance performance

Director, Choreographer

Leadership and Involvement

Lumen Scholar (\$20,000)

Spring 2024 – Present

Elon University's most prestigious scholarship for outstanding academic achievement, leadership, and interdisciplinary inquiry

MathStats Acrobats Member

Spring 2024-Present

Mathematic students connections organization

Selected Choreographer Fall Dance Concert

2025

DanceWorks Member

Fall 2022 – Present

Elon University's student-run dance club

Skills

Technical: Python, Microsoft Suite (Excel, PowerPoint, Word), SAS, Mathematica, LaTeX