

Connor Progin

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EDUCATION

Oregon State University (2022-Present)

Ph.D., Mathematics (expected 2027)

University of Portland (2018-2022)

B.S., Applied Mathematics, Biology

ACADEMIC INTERESTS

Applied and computational topology, topological data analysis

PUBLICATIONS

Topological Energy Dynamics of Food Web Graphs

CRL-J, C. Progin

preprint: www.academia.edu/127348782

Leveraging TDA for disaster preparation, a cartographic perspective

C. Progin, J. Thatcher, C. Giusti, C. Thatcher, C. Fish, D. Retchless

Accepted to Abstracts of the ICA (April 2025)

GRANTS & FELLOWSHIPS

NSF Travel Grant, GIScience 2025, Christchurch, NZ

Awarded funding to present research on road network analysis using TDA
Grant hosted by University of Wisconsin - Madison

TEACHING

Instructor, Integral Calculus (MTH 252), Oregon State University

TALKS

Sheaf Cohomology and the Max-Flow-Min-Cut Theorem

Geometry/Topology Seminar, Oregon State University (Feb. 2025)

WORKSHOPS ATTENDED

Cycle Representatives in Applied Homological Algebra Workshop,
Banff International Research Station (Aug. 2025)

SERVICE

Session organizer, *Applications of Topology in Biological Systems*

SIAM Conference on Applied Algebraic Geometry

University of Wisconsin - Madison (July 2025)

TECHNICAL SKILLS

Python, MATLAB, Java, HTML