

Maggie R. Sullens

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Department: Mathematics

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Statement of Intent

My end goal for my education and career is to obtain my PhD in Mathematical Ecology and earn the ability to conduct research using a variety of tactics to help advance our knowledge and understanding of ecological interactions and complexities.

Education

(In Progress)	PhD program in Mathematical Ecology from Department of Mathematics, University of Tennessee
2021	MS in Mathematics from Department of Mathematics, University of Tennessee
2019	BS in Mathematics from Department of Mathematics, University of North Georgia

Research/Academic Work:

Current	University of Tennessee Advisor: Nina Fefferman
	<ol style="list-style-type: none">1) ABM analyzing how light pollution affects the predator-prey dynamic of White Sharks and Cape Fur Seals in False Bay, South Africa2) Complex Contagion Model exploring the impacts of stress on a community dedicated to the harvest of a doomed population3) Game Theory Model investigating how budget allocation affects illegal fishing
2018	Archaeological Field School in Sicily, University of North Georgia
2018	Mathematics Senior Project: Conway's 150 Method, University of North Georgia

Work Positions

2023-	Graduate Research Assistant, University of Tennessee, Knoxville, TN
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August 2020-2022 TA Teaching Associate, University of Tennessee, Knoxville, TN
2020 Math Camp Tutor, University of Tennessee, Knoxville, TN
2019-2020 TA Teaching Assistant, University of Tennessee, Knoxville, TN
2018-2019 Math Tutor, Individual Work
2018-2019 Student Research Assistant for Math Immersion Program, University of North Georgia, Dahlonega, GA
2018 Columbia Outlets, North Georgia Premium outlets, Dawsonville, GA
August-October 2018

Publications

How Light Pollution Affects Predatory Interactions Between White Sharks and Cape Fur Seals
(in preparation)

How Fishmen are affected in a Community Dedicated to a Doomed Harvest Species
(in preparation)

Computer Skills

Python
MatLab
ArcGIS Pro
QGIS
Netlogo
Microsoft
PowerPoint
Latex
Excel
Zoom
R
Google Classroom

Awards and Achievements

Graduate Teaching stipend (August 2019-Current)
High School Salutatorian (May 2017)
Phi Kappa Phi Honor Society Membership (Fall 2017)
Earned Associate of Science degree (Mathematics) with distinction/ GPA: 4.0 (May 2017)
Dean's List at the University of North Georgia (UNG) (Fall 2017)
(at least a GPA of 3.5 for the semester)

President's Honor Roll at the University of North Georgia (GPA: 4.0) (UNG) (Fall 2016)
(a GPA of 4.0 for the semester)

Clubs and Hobbies

UTK SIAM Co-President (2022)

UTK SIAM Treasurer (2021)

Women in STEM club (2018)

UNG Women's Golf Team (Fall 2017- Spring 2018)

Robotics (2014-2016)