

## EDUCATION

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<b>Carnegie Mellon University</b> PhD in Computer Science <i>Supervisor: Keenan Crane</i>	2022 - 2028 (expected)
<b>Youngstown State University</b> M.Sc. in Mathematics	2020 - 2022
<b>Lake Forest College</b> B.A. in Mathematics and Environmental Science	2015 - 2019
<b>Li Po Chun United World College of Hong Kong</b> International Baccalaureate Bilingual Diploma in English and Romanian	2013 - 2015

## EXPERIENCE

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<b>Massachusetts Institute of Technology</b> Summer Geometry Institute Fellow. Selected as 1 of 34, from a pool of 627 applicants. Worked on: 1. <i>Nonmanifold Periodic Minimal Surfaces [Technical Write-up 1] [Technical Write-up 2]</i>	Summer 2021
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## OTHER PUBLICATIONS

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<b>Comparing the Spread of Infectious Disease Using Graph Theory [PDF]</b> Olga Guțan <i>M.Sc. in Mathematics thesis supervised by Alicia Prieto-Langarica</i>	2022
<b>A Theoretical and Empirical Analysis of the Natural Environment and Suicide [PDF]</b> Olga Guțan <i>B.Sc. in Environmental Science thesis supervised by Benjamin Goluboff, with Distinction</i>	2019

## AWARDS AND HONORS

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<b>Youngstown State University</b> Outstanding Graduate Student in Mathematics <i>Awarded to 1 graduate student in recognition of strong academic performance and leadership</i>	2022
<b>Patterson Academic Scholarship</b> Lake Forest College <i>Funds to supplement the Shelby foundation award and thus offer a full tuition waiver</i>	2015-2019
<b>Davis UWC Scholarship</b> Shelby Davis Foundation <i>Partial tuition waiver awarded to (5% of) incoming students with extraordinary academic potential and talent</i>	2015-2019
<b>Richter Scholar Research Program</b> Lake Forest College <i>2,500 USD competitively awarded to select undergraduates to conduct summer research</i>	2016
<b>Gardner Brown Scholarship</b> Lake Forest College <i>1,000 USD offered to UWC graduates to facilitate first-year student transition</i>	2015
<b>Honors Fellow</b> Lake Forest College <i>Award to recognize (&lt;15 % of) incoming students with high promise for independent study and research</i>	2015

**UWC Scholarship**

2013-2015

Li Po Chun United World College

*Full tuition waiver awarded to one Moldovan student in my academic year, 3% acceptance rate***ACADEMIC COMMITTEE SERVICE**

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**ACM SIGGRAPH Women in Graphics Research Community Group**

2022 - Present

Executive Committee Member and Resource Coordinator

**SIGGRAPH Research Career Development Committee**

2022 - Present

Undergraduate Mentorship Team Member

**DEPARTMENTAL SERVICE**

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**Youngstown State University**

2020-2022

Graduate Student Advisory Committee Member

**Lake Forest College**

2019

Mathematics Department Student Advisory Committee Member

**TALKS GIVEN**

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**Comparing the Spread of Infectious Disease Using Graph Theory**

April 2022

M.Sc. in Mathematics Thesis Defense

Youngstown, Ohio

**When Statistical Analysis Fails: the Natural Environment and Suicide in the US**

December 2020

Bringing Young Mathematicians Together (BYMAT)

Virtual (originally Valencia, Spain)

**A Theoretical and Empirical Analysis of the Natural Environment and Suicide**

April 2019

B.A. in Environmental Science Thesis Defense

Lake Forest, Illinois

**Quantifying Financial Technology in Eastern Europe**

April 2017

20th Annual Steven Galovich Memorial Student Symposium

Lake Forest, Illinois

**What Is It Like to Be a Bat? – a discussion of Thomas Nagel (Phil 245)**

October 2016

Delivered a 60-minute lecture and moderated a discussion with undergraduate students

Lake Forest, Illinois

**TEACHING**

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**Youngstown State University***Instructor*

Math 1513: Algebra and Transcendental Functions

Spring 2022

Math 1513: Algebra and Transcendental Functions

Fall 2021

Math 1511: Trigonometry

Spring 2021

Math 1511: Trigonometry

Fall 2020

**Lake Forest College***Teaching Assistant*

Math 111: Calculus II

Spring 2019

Math 150: Intro Probability and Statistics

Spring 2019

Math 150: Intro Probability and Statistics

Fall 2018

*Peer Teacher*

Phil 245: Philosophy of Humans and Animals

Fall 2016

**EXTERNAL TEACHING ACTIVITIES**

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**Mathnasium**

September - December 2018

Honed students' (ages 6-16) skills to make them successful at logical thinking

Lake Forest, Illinois, USA