

## EDUCATION

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<b>University of Connecticut</b> Ph.D. in Mathematics, Advisor: Álvaro Lozano-Robledo	Storrs, CT 2020–Present
<b>Macaulay Honors at Baruch College</b> B.A. in Mathematics, GPA: 3.73 Minors: Philosophy, Interdisciplinary Minor with Honors in New York City Studies	New York City, NY 2016–2020
<b>Budapest Semesters in Mathematics</b> Study abroad program	Budapest, Hungary Spring 2019

## RESEARCH EXPERIENCE

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<b>Honors Thesis in Number Theory</b> Advisor: Andrew Obus <ul style="list-style-type: none"><li>– Researched the distribution of the greatest common divisors of Gaussian integers and other quadratic integer rings.</li></ul>	Fall 2019 - Spring 2020
<b>Number Theory REU at Texas A&amp;M University</b> Advisor: Riad Masri <ul style="list-style-type: none"><li>– Researched and proved the equidistribution of the crank partition function with an effective asymptotic bound on the error.</li></ul>	Summer 2019
<b>Number Theory REU at Oregon State University</b> Advisor: Holly Swisher <ul style="list-style-type: none"><li>– Researched modular forms and elliptic curves and produced results for eta-quotients of prime or semiprime level and elliptic curves.</li></ul>	Summer 2018

## PUBLICATIONS

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1. Asimina Hamakiotes, *The Distribution of the Greatest Common Divisors of Elements in Quadratic Integer Rings*, (2020), [https://academicworks.cuny.edu/bb\\_etds/99/](https://academicworks.cuny.edu/bb_etds/99/).
2. Asimina Hamakiotes, Aaron Kriegman, and Wei-Lun Tsai, *Asymptotic Distribution of the Partition Crank*, to appear in Ramanujan Journal (2021), <https://arxiv.org/abs/1909.12806>.
3. Michael Allen, Nicholas Anderson, Asimina Hamakiotes, Ben Oltsik, and Holly Swisher, *Eta-quotients of prime or semiprime level and elliptic curves*, *Involve*, Vol. 13, No. 5 (2020), 879-900. <https://arxiv.org/abs/1901.10511>.

## AWARDS

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• Graduate Fellowship for STEM Diversity (\$20,000 annually)	2022 - Present
• CLAS Course Improvement Mini Grant (\$1,500) (Created a module for an inquiry-based mathematical modeling course.)	August 2022
• NCAA Woman of the Year Semifinals	2019–2020
• Kanner Prize for Outstanding Baruch Honors Thesis	2019–2020

- CUNY Athletic Conference Female Scholar-Athlete of the Year 2019–2020
- Dr. Jane Katz Academic, Athletics, and Community Service Award 2019–2020
- Meyer Scholar Recipient, Merit Based Scholarship (\$4,000) 2018
- 2nd place in Traders@MIT (largest algorithmic collegiate trading competition) 2017

## TEACHING

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- MATH 1020Q Problem Solving, Instructor Fall 2022
- MATH 1132Q Calculus II, Teaching Assistant Spring 2022
- MATH 1132Q Calculus II Honors, Teaching Assistant Fall 2021
- MATH 1132Q Calculus II, Teaching Assistant Spring 2021
- MATH 1131Q Calculus I, Teaching Assistant Fall 2020

## MENTORING

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- Directed Reading Program, mentor to Sierra Woods (project on elliptic curves) Spring 2022

## INVITED TALKS

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- **Palmetto Number Theory Series XXXIV (PANTS 34)** 9/24/22 - 9/25/22  
*Computing the Proportion of Sneaky Primes for Pairs of Elliptic Curves* - Talk  
University of North Carolina at Charlotte
- **Joint Mathematics Meetings, Denver** 1/15/20 - 1/18/20  
*Asymptotic Distribution of the Partition Crank*  
MAA Undergraduate Student Poster Session *\*Received Honorable Mention*
- **Shenandoah Undergraduate Mathematics and Statistics Conference (SUMS)** 9/21/19  
*Asymptotic Distribution of the Partition Crank* - Talk  
James Madison University
- **Nebraska Conference for Undergraduate Women in Mathematics (NCUWM)** 1/25/19 - 1/27/19  
*Eta-Quotients of Prime or Semiprime Level and Elliptic Curves* - Talk  
University of Nebraska - Lincoln
- **Joint Mathematics Meetings, Baltimore** 1/16/19 - 1/19/19  
*Eta-Quotients of Prime or Semiprime Level and Elliptic Curves*  
MAA Undergraduate Student Poster Session
- **Shenandoah Undergraduate Mathematics and Statistics Conference (SUMS)** 10/13/18  
*Eta-Quotients of Prime/Semiprime Level and Elliptic Curves* - Talk  
James Madison University
- **Women in Mathematics in New England Conference (WIMIN)** 9/22/18  
*Eta-Quotients of Prime or Semiprime Level and Elliptic Curves* - Talk  
Smith College

## PRESENTATIONS

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- **Computing the proportion of sneaky primes for pairs of elliptic curves,**  
Oregon State University Number Theory Seminar Oct. 18, 2022
- **Computing the proportion of sneaky primes for pairs of elliptic curves,**  
UConn S.I.G.M.A. Seminar Sept. 30, 2022
- **Computing the proportion of sneaky primes for pairs of elliptic curves,**  
UConn Algebra Seminar Sept. 14, 2022

- **Successful Baruch Alumni Panel (panelist)**, Baruch College Nov. 9, 2021
- **Graduate school panel (panelist)**, Mathematics Continued Conference Oct. 23, 2021
- **Preparing for graduate school (panelist)**, UConn Math Club April 21, 2021
- **Undergraduate math experience (panelist)**, Baruch Math Club March 26, 2021
- **Lubin-Tate formal group laws**,  
UConn Number Theory Reading Group Feb. 26, 2021
- **Undergraduate math research (panelist)**, UConn Math Club Nov. 11, 2020

## INSTRUCTIONAL SCHOOLS ATTENDED / WORKSHOPS

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- **Preliminary Arizona Winter School (PAWS)** Oct. 3 - Nov. 11, 2022  
PAWS is a virtual program on topics related to the upcoming AWS. Topic: Heights in Diophantine geometry.
- **PCMI Graduate Summer School** July 17 - August 6, 2022  
Park City Mathematics Institute (PCMI) Graduate Summer School in Number Theory Informed by Computation.
- **Rethinking Number Theory 3 (RNT3)** June 20 - July 1, 2022  
Project on computing the proportion of sneaky primes for pairs of elliptic curves.
- **Connecticut Summer School in Number Theory (CTNT)** June 6 - 12, 2022  
Participated and helped run both the summer school and conference.
- **PCMI Graduate Summer School (Virtual)** July 26-30, 2021  
Park City Mathematics Institute (PCMI) Graduate Summer School in Number Theory Informed by Computation.
- **Arizona Winter School (AWS)** Spring 2021  
AWS Virtual School in Number Theory was a 12 week program featuring four online lecture series (and problem solving sessions) on modular forms, modular groups, an exploration of the  $p$ -adic numbers and modular forms, and quadratic forms and the local global principle.

## PROFESSIONAL SERVICES

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- **Mathematics Continued Conference (MCC): Organizer** Oct. 22, 2022  
The MCC at UConn is aimed at undergraduates to give a glimpse of what graduate school and math research is like.

## CLUBS/LEADERSHIP

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- **UConn Number Theory Reading Group (NTRG): Member** Summer 2020 –Present  
*We study various topics related to number theory, such as  $p$ -adics, class field theory (I gave a talk on the Lubin-Tate formal group laws), and we are currently reading some research papers on unit groups. We are learning about how to compute unit groups in cubic fields and will try to expand upon related research.*
- **AWM Baruch Student Chapter: President/Founder** Fall 2019 –Spring 2020  
*Started the Association for Women in Mathematics (AWM) Student Chapter at Baruch, organized events, shared knowledge and experience in math, research, math study abroad programs, internships, and mathematical jobs in industry.*
- **Baruch Traders Club: Trader** Spring 2017 –Spring 2018  
*Gained experience and knowledge of financial markets via trading simulations and trading seminars. Competed in various Baruch and intercollegiate trading competitions.*

## LANGUAGES

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- English - fluent (U.S. Citizen)
- Greek - fluent (Dual Citizen)
- Spanish - proficient
- French - novice

## COMPUTER SKILLS

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- Magma
- SageMath
- Mathematica
- C++, Java, and Python (novice)