

Asimina S. Hamakiotes

(646) 275-6083 | asimina.hamakiotes@uconn.edu

EDUCATION/ STUDY ABROAD	<i>University of Connecticut</i> , Storrs, CT <i>Doctor of Philosophy, Mathematics</i> <i>Macaulay Honors at Baruch College</i> , New York City, NY <i>Bachelor of Arts, Mathematics</i> Minors: Philosophy, Interdisciplinary Minor with Honors in New York City Studies <i>Budapest Semesters in Mathematics</i> , Budapest, Hungary	Expected May 2025 Algebra/Number Theory May 2020 Cumulative GPA 3.73 Spring 2019
SKILLS	Computer Skills: SageMath, Mathematica, and novice in C++, Java, and Python Languages: English - fluent (U.S. Citizen), Greek - fluent (Dual Citizen), Spanish - proficient, French - intermediate	
RESEARCH EXPERIENCE	Honors Thesis in Number Theory Advisor: Andrew Obus	Fall 2019 - Spring 2020
	<ul style="list-style-type: none">Researched the distribution of the greatest common divisors of Gaussian integers and other quadratic integer rings.	
	Number Theory REU at Texas A&M University Advisor: Riad Masri	Summer 2019
	<ul style="list-style-type: none">Researched and proved the equidistribution of the crank partition function with an effective asymptotic bound on the error.	
	Number Theory REU at Oregon State University Advisor: Holly Swisher	Summer 2018
	<ul style="list-style-type: none">Researched modular forms and elliptic curves and produced results for eta-quotients of prime or semiprime level and elliptic curves.	
RESEARCH PAPERS	<ol style="list-style-type: none">Asimina Hamakiotes, <i>The Distribution of the Greatest Common Divisors of Elements in Quadratic Integer Rings</i>, (2020), https://academicworks.cuny.edu/bb_etds/99/.Asimina Hamakiotes, Aaron Kriegman, and Wei-Lun Tsai, <i>Asymptotic Distribution of the Partition Crank</i>, to appear in <i>Ramanujan Journal</i> (2021), https://arxiv.org/abs/1909.12806.Michael Allen, Nicholas Anderson, Asimina Hamakiotes, Ben Oltsik, and Holly Swisher, <i>Eta-quotients of prime or semiprime level and elliptic curves</i>, <i>Involve</i>, Vol. 13, No. 5 (2020), 879-900. https://arxiv.org/abs/1901.10511.	
INVITED CONFERENCES	Joint Mathematics Meetings (JMM) in Denver <ul style="list-style-type: none"><i>Asymptotic Distribution of the Partition Crank</i> MAA Undergraduate Student Poster Session <i>*Received Honorable Mention</i> James Madison University <ul style="list-style-type: none"><i>Asymptotic Distribution of the Partition Crank</i> Shenandoah Undergraduate Mathematics and Statistics Conference (SUMS) - Talk University of Nebraska - Lincoln <ul style="list-style-type: none"><i>Eta-Quotients of Prime or Semiprime Level and Elliptic Curves</i> Nebraska Conference for Undergraduate Women in Mathematics (NCUWM) - Talk Joint Mathematics Meetings (JMM) in Baltimore <ul style="list-style-type: none"><i>Eta-Quotients of Prime or Semiprime Level and Elliptic Curves</i> MAA Undergraduate Student Poster Session	1/15/20 - 1/18/20 9/21/19 1/25/19 - 1/27/19 1/16/19 - 1/19/19

- James Madison University** 10/13/18
- *Eta-Quotients of Prime/Semiprime Level and Elliptic Curves*
Shenandoah Undergraduate Mathematics and Statistics Conference (SUMS) - Talk
- Smith College** 9/22/18
- *Eta-Quotients of Prime or Semiprime Level and Elliptic Curves*
Women in Mathematics in New England Conference (WIMIN) - Talk

PROGRAMS

- PCMI Graduate Summer School:** Participant July 26-30, 2021
- Park City Mathematics Institute (PCMI) Graduate Summer School in Number Theory Informed by Computation featured one week filled with online lectures (and problem solving sessions) on the inverse Galois problem, supersingular isogeny graphs in cryptography, and algorithms in algebraic number theory.
- Arizona Winter School (AWS):** Participant Spring 2021
- AWS Virtual School in Number Theory was a 12 week program featuring four online lecture series (and problem solving sessions) on an introduction to the theory of modular forms, an introduction to modular groups, an exploration of the p -adic numbers and modular forms, and quadratic forms and the local global principle.

CLUBS/ LEADERSHIP

- UConn Number Theory Reading Group:** 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, organizes events, shares knowledge and experience in math, research, math study abroad, internships, and jobs with math in industry.
- Women's Swimming and Diving:** Swimmer Fall 2016 - Spring 2020
- One of the highest scoring swimmers on the team and in the conference, helps others at practice, leads practices, and helps teammates academically.
- Baruch Traders Club:** Trader 2017 - 2018
- Gained experience and knowledge of financial markets via trading simulations and trading seminars. Competed in various Baruch and intercollegiate trading competitions.

AWARDS

NCAA Woman of the Year Nominee (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)
 Women's Swimming and Diving Team at Baruch (CUNY Athletic Conference All-Star 2016-2017, 2017-2018, 2019-2020)
 Women's Cross-Country Team at Baruch (CUNY Athletic Conference All-Star 2016)
 Phi Eta Sigma National Honors Society of Baruch
 Fall and Spring Scholar Athlete (2016-2017, 2017-2018, 2018-2019)
 Meyer Scholar Recipient, Merit Based Scholarship \$4,000 (2018)