Asimina S. Hamakiotes

EDUCATION

University of Connecticut

Storrs, CT

Ph.D. in Mathematics

2020 - Present

Advisor: Álvaro Lozano-Robledo

Masters in Mathematics

2020 - 2022

Macaulay Honors at Baruch College

New York City, NY

B.A. in Mathematics

2016 - 2020

Minors: Philosophy, Interdisciplinary Minor with Honors in New York City Studies

 Honors Thesis: Asimina Hamakiotes, The Distribution of the Greatest Common Divisors of Elements in Quadratic Integer Rings, Baruch College CUNY Library (2020).

Budapest Semesters in Mathematics

Budapest, Hungary

Study abroad program

Spring 2019

RESEARCH INTERESTS

Algebraic number theory and arithmetic geometry. Elliptic curves and Galois representations.

Publications

- 1. Asimina S. Hamakiotes and Álvaro Lozano-Robledo, Elliptic curves with complex multiplication and abelian division fields, to appear in the Journal of the London Mathematical Society (2024).
- 2. Eduardo Dueñez, Asimina S. Hamakiotes, and Steven J. Miller, Sums of Powers by L'Hopital's Rule, to appear in Fibonacci Quarterly (2024).
- 3. Alyson Deines, Asimina S. Hamakiotes, Andreea Iorga, Changningphaabi Namoijam, Manami Roy, and Lori D. Watson, Towards a classification of p^2 -discriminant ideal twins over number fields, to appear in Research Directions in Number Theory: Women in Numbers VI (2024).
- 4. John Cullinan, Shanna Dobson, Linda Frey, Asimina S. Hamakiotes, Roberto Hernandez, Nathan Kaplan, Jorge Mello, and Gabrielle Scullard, *The probability of non-isomorphic group structures of isogenous elliptic curves in finite field extensions, II*, Journal of Number Theory, Vol. 266, 131-165 (2025).
- 5. Asimina Hamakiotes, Aaron Kriegman, and Wei-Lun Tsai, Asymptotic Distribution of the Partition Crank, Ramanujan Journal, Vol. 56, 803-820 (2021).
- 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, 879-900 (2020).

Preprints

- 1. Santiago Arango-Piñeros, María Chara, Asimina S. Hamakiotes, Kiran Kedlaya, and Gustavo Rama, Bounds for the relative class number problem for function fields, submitted.
- 2. Asimina S. Hamakiotes, The maximal abelian extension contained in a division field of an elliptic curve over \mathbb{Q} with complex multiplication, submitted.

IN PREPARATION

- 1. Asimina S. Hamakiotes and Jun Bo Lau, Genus formulas for families of modular curves.
- 2. Alyson Deines, Asimina S. Hamakiotes, Andreea Iorga, Changningphaabi Namoijam, Manami Roy, and Lori D. Watson, Towards a classification of n-discriminant ideal twins over number fields.

AWARDS

• Graduate Fellowship for STEM Diversity (\$20,000 annually)	2022 - Preser
• Predoctoral Fellowship from The Graduate School and Math Department, UConn (\$8,078)	Spring 202
• Summer Doctoral Dissertation Fellowship from The Graduate School, UConn (\$2,000)	Summer 202
• Louis J. DeLuca Teaching Award: Excellence in Teaching (\$400)	2023-202
• Conference Participation Award from The Graduate School, UConn (\$750)	Spring 202
• CLAS Course Improvement Mini Grant (\$1,500) (Created a module for an inquiry-based mathematical modeling course.)	Summer 202
• NCAA Woman of the Year Semifinals	2019-202
• Kanner Prize for Outstanding Baruch Honors Thesis	2019-202
• CUNY Athletic Conference Female Scholar-Athlete of the Year	2019-202
• Dr. Jane Katz Academic, Athletics, and Community Service Award	2019-202
• Meyer Scholar Recipient, Merit Based Scholarship (\$4,000)	201
• 2nd place in Traders@MIT (largest algorithmic collegiate trading competition)	201
Teaching at UConn	
• MATH 2705W Technical Writing in Mathematics, Instructor	Spring 202
• MATH 2705W Technical Writing in Mathematics, Instructor	Fall 202
• MATH 2705W Technical Writing in Mathematics, Instructor	Spring 202
 MATH 1071Q Calculus for Business and Economics, Instructor 	Fall 202
• UConn Algebra Prelim Tutor (hired by department)	Summer 202
• MATH 2210Q Applied Linear Algebra, Instructor	Spring 202
• UConn Algebra Prelim Tutor (hired by department)	Winter 202
• MATH 1020Q Problem Solving, Instructor	Fall 202
• MATH 1132Q Calculus II, Teaching Assistant	Spring 202
• MATH 1132Q Calculus II Honors, Teaching Assistant	Fall 20
• MATH 1132Q Calculus II, Teaching Assistant	Spring 20
• MATH 1131Q Calculus I, Teaching Assistant	Fall 20
Mentoring	
• Directed Reading Program, mentor to Giancarlo Stabler (project on number theory and geometry)	Fall 20
• Directed Reading Program, mentor to Sarah Hocutt (project on mathematical cryptography)	Spring 202

Spring 2022

• Directed Reading Program, mentor to Sierra Woods (project on elliptic curves)

Invited Conference Talks

4/5/25 - 4/6/25
4/0/20 - 4/0/20
1/8/25 - 1/11/25
10/19/24 - 10/20/24
9/21/24 - 9/22/24
7/15/24 - 7/19/24 k
7/8/24 - 7/12/24
9/30/23 - 10/1/23
7/10/23 - 7/14/23
$\frac{1/4/23}{Field\ Extensions} - \frac{1}{7}$
10/15/22 - 10/16/22
9/24/22 - 9/25/22
1/15/20 - 1/18/20
9/21/19
1/25/19 - 1/27/19
1/16/19 - 1/19/19
10/13/18

• Women in Mathematics in New England Conference (WIMIN) Eta-Quotients of Prime or Semiprime Level and Elliptic Curves - Talk Smith College

INVITED SEMINAR TALKS

• Abelian extensions arising from elliptic curves with complex multiplication Kansas State University Number Theory Seminar (online)	2/12/25
• Abelian extensions arising from elliptic curves with complex multiplication Louisiana State University Algebra and Number Theory Seminar	1/21/25
• Abelian extensions arising from elliptic curves with complex multiplication University of Minnesota Graduate Student Number Theory Seminar	12/10/24
• Abelian extensions arising from elliptic curves with complex multiplication University of Virginia Ramanujan-Serre Number Theory Seminar	12/6/24
• Abelian extensions arising from elliptic curves with complex multiplication CUNY Graduate Center Arithmetic Geometry Seminar	12/3/24
• Abelian extensions arising from elliptic curves with complex multiplication Ohio State University Number Theory Seminar	11/25/24
• Abelian extensions arising from elliptic curves with complex multiplication Cornell University Number Theory Seminar	11/15/24
• Elliptic curves with complex multiplication and abelian division fields Joint Columbia-CUNY-NYU Number Theory Seminar	3/7/24
• Elliptic curves with complex multiplication and abelian division fields Brown University Algebra/Number Theory Seminar	2/26/24
• Elliptic curves with complex multiplication and abelian division fields Greek Algebra & Number Theory Seminar (online)	2/19/24
• Elliptic curves with complex multiplication and abelian division fields University of Washington Number Theory Seminar	1/23/24
• Guest Lecture on complex multiplication and Galois representations Graduate Course on Elliptic Curves at Wake Forest University	11/20/23
• Computing the proportion of sneaky primes for pairs of elliptic curves with and without CM unQVNTS (Québec-Vermont Number Theory Seminar) at the University of Vermont	3/30/23
• Computing the proportion of sneaky primes for pairs of elliptic curves Oregon State University Number Theory Seminar (online)	10/18/22
Local Seminar Talks	
• How many ways can you sum $1 + 2 + \cdots + n$? UConn Math Club	10/30/24
• Abelian Galois extensions and division points UConn S.I.G.M.A. Seminar	4/19/24
• Construction of elliptic curves with large rank UConn Number Theory Reading Group	2/29/24
• Linear congruences Undergraduate Course on Number Theory at UConn	2/20/24
• Elliptic curves with complex multiplication and abelian division fields UConn Algebra Seminar	1/17/24
• Introduction to Magma and Sage UConn Number Theory Reading Group	10/23/23

Project: Lower bounds for relative class numbers of function fields. • Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, and Computation. I helped compute models of universal elliptic curves and created family pages for modula. • Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. • Sage Days at the Center for Communications Research, La Jolla (CCR-L) Worked on SageMath development: edited source code and fixed issues posted on GitHub. • Preliminary Arizona Winter School (PAWS) PAWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian • Statistiques Arithmétiques Conference on Arithmetic Statistics in CIRM, France. • École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions. • Women In Numbers 6 (WIN6) Project: Isogenous discriminant twins over number fields.	
UConn S.I.G.M.A. Seminar Sums of powers by L'Hopital's rule UConn Math Club Computationally hard problems and their uses in cryptography: RSA and DLP UConn S.I.G.M.A. Seminar Computing the genus of modular curves UConn Number Theory Reading Group Creating a modular, inquiry-based modeling course UConn Math Teaching Workshop Genus of a modular curve UConn Number Theory Reading Group Computationally hard problems and their uses in cryptography UConn Math Club Computing the proportion of sneaky primes for pairs of elliptic curves UConn S.I.G.M.A. Seminar Computing the proportion of sneaky primes for pairs of elliptic curves UConn Algebra Seminar Computing the proportion of sneaky primes for pairs of elliptic curves UConn Algebra Seminar Lubin-Tate formal group laws UConn Number Theory Reading Group INSTRUCTIONAL SCHOOLS AND WORKSHOPS ATTENDED Téoria de Números en las Américas 2 Project: Lower bounds for relative class numbers of function fields. Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, an Computation. I helped compute models of universal elliptic curves and created family pages for modular Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. Sage Days at the Center for Communications Research, La Jolla (CCR-L) Worked on SageMath development: edited source code and fixed issues posted on Github. Preliminary Arizona Winter School (PAWS) PAWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian Statistiques Arithmétiques Conference on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions.	9/20/2
UConn Math Club Computationally hard problems and their uses in cryptography: RSA and DLP UConn S.I.G.M.A. Seminar Computing the genus of modular curves UConn Number Theory Reading Group Creating a modular, inquiry-based modeling course UConn Math Teaching Workshop Genus of a modular curve UConn Math Club Computationally hard problems and their uses in cryptography UConn Math Club Computing the proportion of sneaky primes for pairs of elliptic curves UConn S.I.G.M.A. Seminar Computing the proportion of sneaky primes for pairs of elliptic curves UConn Algebra Seminar Lubin-Tate formal group laws UConn Number Theory Reading Group INSTRUCTIONAL SCHOOLS AND WORKSHOPS ATTENDED Téoria de Números en las Américas 2 Project: Lower bounds for relative class numbers of function fields. Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, an Computation. I helped compute models of universal elliptic curves and created family pages for modula Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. Sage Days at the Center for Communications Research, La Jolla (CCR-L) Worked on SageMath development: edited source code and fixed issues posted on GitHub. Preliminary Arizona Winter School (PAWS) PAWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian Statistiques Arithmétiques Conference on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions. Women In Numbers 6 (WIN6) Project: Isogenous discriminant twins over number fields.	9/15/2
UConn S.I.G.M.A. Seminar Computing the genus of modular curves UConn Number Theory Reading Group Creating a modular, inquiry-based modeling course UConn Math Teaching Workshop Genus of a modular curve UConn Number Theory Reading Group Computationally hard problems and their uses in cryptography UConn Math Club Computing the proportion of sneaky primes for pairs of elliptic curves UConn S.I.G.M.A. Seminar Computing the proportion of sneaky primes for pairs of elliptic curves UConn Algebra Seminar Lubin-Tate formal group laws UConn Number Theory Reading Group INSTRUCTIONAL SCHOOLS AND WORKSHOPS ATTENDED Téoria de Números en las Américas 2 Project: Lower bounds for relative class numbers of function fields. Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, an Computation. I helped compute models of universal elliptic curves and created family pages for modula Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. Sage Days at the Center for Communications Research, La Jolla (CCR-L) Worked on SageMath development: edited source code and fixed issues posted on GitHub. Preliminary Arizona Winter School (PAWS) PaWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian Statistiques Arithmétiques Conference on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Conference on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions.	2/22/2
UConn Number Theory Reading Group Creating a modular, inquiry-based modeling course UConn Math Teaching Workshop Genus of a modular curve UConn Number Theory Reading Group Computationally hard problems and their uses in cryptography UConn Math Club Computing the proportion of sneaky primes for pairs of elliptic curves UConn S.I.G.M.A. Seminar Computing the proportion of sneaky primes for pairs of elliptic curves UConn Algebra Seminar Lubin-Tate formal group laws UConn Number Theory Reading Group INSTRUCTIONAL SCHOOLS AND WORKSHOPS ATTENDED Téoria de Números en las Américas 2 9/8 Project: Lower bounds for relative class numbers of function fields. Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, and Computation. I helped compute models of universal elliptic curves and created family pages for modula Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. Sage Days at the Center for Communications Research, La Jolla (CCR-L) 2/2 Worked on SageMath development: edited source code and fixed issues posted on GitHub. Preliminary Arizona Winter School (PAWS) 10/2, PAWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian Statistiques Arithmétiques Conference on Arithmétic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions. Women In Numbers 6 (WIN6) Project: Isogenous discriminant twins over number fields.	2/17/2
UConn Math Teaching Workshop Genus of a modular curve UConn Number Theory Reading Group Computationally hard problems and their uses in cryptography UConn Math Club Computing the proportion of sneaky primes for pairs of elliptic curves UConn S.I.G.M.A. Seminar Computing the proportion of sneaky primes for pairs of elliptic curves UConn Algebra Seminar Lubin-Tate formal group laws UConn Number Theory Reading Group INSTRUCTIONAL SCHOOLS AND WORKSHOPS ATTENDED Téoria de Números en las Américas 2 Project: Lower bounds for relative class numbers of function fields. Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, and Computation. I helped compute models of universal elliptic curves and created family pages for modula Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. Sage Days at the Center for Communications Research, La Jolla (CCR-L) Worked on SageMath development: edited source code and fixed issues posted on GitHub. Preliminary Arizona Winter School (PAWS) PAWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian Statistiques Arithmétiques Conference on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Conference on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Output Women In Numbers 6 (WIN6) Project: Isogenous discriminant twins over number fields.	12/12/2
UConn Number Theory Reading Group Computationally hard problems and their uses in cryptography UConn Math Club Computing the proportion of sneaky primes for pairs of elliptic curves UConn S.I.G.M.A. Seminar Computing the proportion of sneaky primes for pairs of elliptic curves UConn Algebra Seminar Lubin-Tate formal group laws UConn Number Theory Reading Group INSTRUCTIONAL SCHOOLS AND WORKSHOPS ATTENDED Téoria de Números en las Américas 2 Project: Lower bounds for relative class numbers of function fields. Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, an Computation. I helped compute models of universal elliptic curves and created family pages for modula Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. Sage Days at the Center for Communications Research, La Jolla (CCR-L) Worked on SageMath development: edited source code and fixed issues posted on GitHub. Preliminary Arizona Winter School (PAWS) PAWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian Statistiques Arithmétiques Conference on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Oncomputation, class field theory, and Frobenius distributions.	12/9/2
UConn Math Club Computing the proportion of sneaky primes for pairs of elliptic curves UConn S.I.G.M.A. Seminar Computing the proportion of sneaky primes for pairs of elliptic curves UConn Algebra Seminar Lubin-Tate formal group laws UConn Number Theory Reading Group INSTRUCTIONAL SCHOOLS AND WORKSHOPS ATTENDED Téoria de Números en las Américas 2 Project: Lower bounds for relative class numbers of function fields. Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, and Computation. I helped compute models of universal elliptic curves and created family pages for modula Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. Sage Days at the Center for Communications Research, La Jolla (CCR-L) Worked on SageMath development: edited source code and fixed issues posted on GitHub. Preliminary Arizona Winter School (PAWS) PAWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian Statistiques Arithmétiques Conference on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions. Women In Numbers 6 (WIN6) Project: Isogenous discriminant twins over number fields.	12/2/2
UConn S.I.G.M.A. Seminar Computing the proportion of sneaky primes for pairs of elliptic curves UConn Algebra Seminar Lubin-Tate formal group laws UConn Number Theory Reading Group INSTRUCTIONAL SCHOOLS AND WORKSHOPS ATTENDED Téoria de Números en las Américas 2 Project: Lower bounds for relative class numbers of function fields. Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, and Computation. I helped compute models of universal elliptic curves and created family pages for modula Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. Sage Days at the Center for Communications Research, La Jolla (CCR-L) Worked on SageMath development: edited source code and fixed issues posted on GitHub. Preliminary Arizona Winter School (PAWS) PAWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian Statistiques Arithmétiques Conference on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions. Women In Numbers 6 (WIN6) Project: Isogenous discriminant twins over number fields.	10/5/2
UConn Algebra Seminar Lubin-Tate formal group laws UConn Number Theory Reading Group INSTRUCTIONAL SCHOOLS AND WORKSHOPS ATTENDED Téoria de Números en las Américas 2 Project: Lower bounds for relative class numbers of function fields. Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, and Computation. I helped compute models of universal elliptic curves and created family pages for modula Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. Sage Days at the Center for Communications Research, La Jolla (CCR-L) Worked on SageMath development: edited source code and fixed issues posted on GitHub. Preliminary Arizona Winter School (PAWS) PAWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian Statistiques Arithmétiques Conference on Arithmétiques Tonference on Arithmétic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions. Women In Numbers 6 (WIN6) Project: Isogenous discriminant twins over number fields.	9/30/2
UConn Number Theory Reading Group INSTRUCTIONAL SCHOOLS AND WORKSHOPS ATTENDED • Téoria de Números en las Américas 2 Project: Lower bounds for relative class numbers of function fields. • Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, and Computation. I helped compute models of universal elliptic curves and created family pages for modula • Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. • Sage Days at the Center for Communications Research, La Jolla (CCR-L) Worked on SageMath development: edited source code and fixed issues posted on GitHub. • Preliminary Arizona Winter School (PAWS) PAWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian • Statistiques Arithmétiques Conference on Arithmetic Statistics in CIRM, France. • École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions. • Women In Numbers 6 (WIN6) Project: Isogenous discriminant twins over number fields.	9/14/2
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Project: Lower bounds for relative class numbers of function fields. Modular Curves Workshop 3 at MIT This conference is an activity of the Simons Collaboration in Arithmetic Geometry, Number Theory, and Computation. I helped compute models of universal elliptic curves and created family pages for modula Arizona Winter School (AWS) Topic: Abelian Varieties. Project group (Joseph Silverman): Canonical heights on abelian varieties. Sage Days at the Center for Communications Research, La Jolla (CCR-L) Worked on SageMath development: edited source code and fixed issues posted on GitHub. Preliminary Arizona Winter School (PAWS) PAWS is a virtual program on topics related to the upcoming AWS. Topic: Elliptic Curves and Abelian Statistiques Arithmétiques Conference on Arithmetic Statistics in CIRM, France. École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions. Women In Numbers 6 (WIN6) Project: Isogenous discriminant twins over number fields.	
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Conference on Arithmetic Statistics in CIRM, France. • École de printemps en statistiques arithmétiques Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions. • Women In Numbers 6 (WIN6) Project: Isogenous discriminant twins over number fields.	/23 - 11/10/2 Varieties.
Research school on Arithmetic Statistics in CIRM, France. Courses on Galois representations and statis multiplication, class field theory, and Frobenius distributions. • Women In Numbers 6 (WIN6) Project: Isogenous discriminant twins over number fields.	5/23 - 5/19/2
Project: Isogenous discriminant twins over number fields.	8/23 - 5/12/2 stics, complex
• Arizona Winter School (AWS)	6/23 - 3/31/2
Topic: Unlikely Intersections. Study group: Special point problems and their arithmetic.	/4/23 - 3/8/2
• Symposium sur la géométrie arithmétique et ses applications (SAGA) 1/3 Research school: Introduction to SAGA in CIRM, France. Courses on Galois representations and modul modularity and diophantine applications, local-global principles, and Jacobians and models of curves.	30/23 - 2/3/2 lar forms,

- Preliminary Arizona Winter School (PAWS)

 10/3/22 11/11/22

 PAWS is a virtual program on topics related to the upcoming AWS. Topic: Heights in Diophantine geometry.
- PCMI Graduate Summer School, Utah 7/17/22 8/6/22
 Park City Mathematics Institute (PCMI) Graduate Summer School in Number Theory Informed by Computation.
- Rethinking Number Theory 3 (RNT3)

 Virtual workshop. Project on computing the proportion of sneaky primes for pairs of elliptic curves.
- Connecticut Summer School in Number Theory (CTNT) 6/6/22 6/12/22 Courses on algebraic number theory, local fields, introduction to Galois theory, and the Chebotarev density theorem.
- PCMI Graduate Summer School (Virtual) 7/26/21 -7/30/21 Park City Mathematics Institute (PCMI) Graduate Summer School in Number Theory Informed by Computation.
- Arizona Winter School (AWS)

 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.
- Connecticut Summer School in Number Theory (CTNT) 6/8/20 6/12/20 Virtual courses on sieves, infinite Galois theory, computations in number theory research, curves over finite fields, and p-adic functions on \mathbb{Z}_p .
- Number Theory REU at Texas A&M University, Advisor: Riad Masri Summer 2019 Researched and proved the equidistribution of the crank partition function with an effective asymptotic bound on the error. (Paper in the Ramanujan Journal.)
- Number Theory REU at Oregon State University, Advisor: Holly Swisher Summer 2018 Researched modular forms and elliptic curves and produced results for eta-quotients of prime or semiprime level and elliptic curves. (Paper in the Involve Journal.)

Professional Services

• MathSciNet, Reviewer

Fall 2024 – Present

- UConn Algebra Seminar, Co-organizer

 Invited speakers to UConn's algebra seminar and helped schedule and accommodate them.

 Fall 2024 Spring 2025
- MATHCOUNTS Eastern Chapter Competition, Grader

 MATHCOUNTS is a high school coaching and competition program that brings to math achievement the same enthusiasm and prestige enjoyed by athletics.
- UConn AMS Integration Bee for Undergraduates, Judge
 An integration bee is like a spelling bee, but students take turns computing integrals instead of spelling words.
- Mathematics Continued Conference (MCC), Organizer 10/22/22

 The MCC at UConn is aimed at undergraduates to give them a glimpse of what grad school and math research is like.
- Connecticut Summer School in Number Theory (CTNT), Assistant

 Participated in and helped the organizers run both the summer school and conference.

Professional Activities

• Math and Society (panelist), High School for Math, Science, and Engineering at CCNY	10/25/23
• Bridging the Knowledge Gap in Math (panelist), Wiley	10/25/23
• Graduate school panel (moderator), Mathematics Continued Conference	10/22/22
• Successful Baruch Alumni Panel (panelist), Baruch College	11/9/21
• Graduate school panel (panelist), Mathematics Continued Conference	10/23/21
• Preparing for graduate school (panelist), UConn Math Club	4/21/21
• Undergraduate math experience (panelist), Baruch Math Club	3/26/21
• Undergraduate math research (panelist), UConn Math Club	11/11/20

CLUBS/LEADERSHIP

• UConn Number Theory Reading Group (NTRG): Member

 $Summer\ 2020-Spring\ 2025$

We study various topics related to number theory. We have studied p-adic analysis, local class field theory, units of totally real cubic number fields, modular forms and modular curves, and computing ranks of elliptic curves. We are currently reading about Tate's thesis.

• 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

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

COMPUTER SKILLS

- Magma
- SageMath
- Mathematica
- C++, Java, and Python