Andrew DeLapo

andrew.delapo@uconn.edu adelapo.github.io

Education

University of Connecticut *Mathematics PhD* *Fall 2021 - Present*

- **Advisors:** Damir Dzhafarov and Reed Solomon
- **Research Interests:** mathematical logic, computability theory, reverse mathematics, effective topology

University of California, Berkeley *Mathematics BA* *Fall 2016 - Spring 2020*

- **Advisor:** Theodore Slaman
- **Honors Thesis:** Bernoulli Randomness and Bernoulli Normality
- Minor in Computer Science

Awards

Louis J. DeLuca Award for Excellence in Teaching *April 2025*
Mathematics Department, University of Connecticut

Summer Disseration Fellowship *Summer 2025*
Graduate School, University of Connecticut

Math Teaching Innovation Fellowship *Fall 2024 - Spring 2025*
Mathematics Department, University of Connecticut

Connie Strange Graduate Community Award *April 2024*
Mathematics Department, University of Connecticut

Summer Research Fellowship *Summer 2023*
Mathematics Department, University of Connecticut

Publications

Computability of Separation Axioms in Countable Second Countable Spaces *July 2025*

With David Gonzalez

Submitted, arXiv

The Ginsburg–Sands Theorem and Computability Theory *May 2024*

With Heidi Benham, Damir Dzhafarov, Reed Solomon, and Java Darleen Villano

Advances in Mathematics

Bernoulli Randomness and Bernoulli Normality *September 2021*

Mathematical Logic Quarterly

Teaching

Instructor of Record, EMITT Scholar *Storrs, CT*
University of Connecticut

- **Fall 2025:** Math 1060Q: Precalculus

Instructor of Record, Math Teaching Innovation Fellow *Storrs, CT*
University of Connecticut

- **Spring 2025:** Math 2110Q: Multivariable Calculus
- **Fall 2024:** Math 2110Q: Multivariable Calculus

Instructor of Record *Storrs, CT*
University of Connecticut

- **Spring 2024:** Math 1071Q: Calculus for Business and Economics

Teaching Assistant *Storrs, CT*
University of Connecticut

- **Summer 2025:** Math 1132Q: Calculus II
- **Summer 2024:** Math 1132Q: Calculus II
- **Fall 2023:** Math 1132Q: Calculus II
- **Spring 2023:** Math 1132Q: Calculus II
- **Fall 2022:** Math 2110Q: Multivariable Calculus
- **Summer 2022:** Math 1131Q: Calculus I
- **Spring 2022:** Math 1131Q: Calculus I
- **Fall 2021:** Math 1131Q: Calculus I

Conference Invitations

New England Recursion and Definability Seminar *October 2025*
University of Connecticut *Storrs, CT*
Presentation Title: Computable Categoricity for CSC Spaces

"Reverse Mathematics: New Paradigms" Summer School and Workshop *July - August 2025*
Erwin Schrödinger Institute of Mathematics and Physics *Vienna, Austria*
Contributed Talk: Finding Discrete Subspaces of Hausdorff CSC Spaces

North American Annual Meeting of the Association for Symbolic Logic *May 2025*
New Mexico State University *Las Cruces, NM*
Presentation Title: Computability and Countable Second-Countable Spaces

Contributed Talks

Graduate Research Forum *January 2025*
University of Connecticut *Storrs, CT*
Presentation Title: Computable Categoricity and CSC Spaces

North American Annual Meeting of the Association for Symbolic Logic *May 2024*
Iowa State University *Ames, IA*
Presentation Title: Index Sets of CSC Spaces

Intl. Conference on Computability, Complexity, and Randomness *March 2024*
Nagoya University *Nagoya, Japan*
Presentation Title: Index Sets of CSC Spaces

AMS New England Graduate Student Conference *April 2022*
Brown University *Providence, RI*
Presentation Title: Bernoulli Randomness and Bernoulli Normality

Conferences Attended

AMS Special Session on Computable Mathematics *January 2024*
Joint Mathematics Meetings *San Francisco, CA*

Computability and Combinatorics Summer School and Conference *May 2023*
UConn Hartford *Hartford, CT*

IMS Graduate Summer School in Logic *July 2022*
National University of Singapore *Singapore*

Seminar Talks

Connecticut Logic Seminar *December 2025*
University of Connecticut *Storrs, CT*
Presentation Title: TBD

Logic Seminar *March 2025*
University of Leeds *Leeds, United Kingdom*

Presentation Title: Index Sets and Computable Categoricity of CSC Spaces

Online Logic Seminar *February 2025*
Southern Illinois University *Online*

Presentation Title: Index Sets and Computable Categoricity of CSC Spaces

SIGMA Seminar *September 2024*
University of Connecticut *Storrs, CT*

Presentation Title: Computing Discrete Subspaces of Hausdorff Spaces

Connecticut Logic Seminar *February 2022*
University of Connecticut *Storrs, CT*

Presentation Title: Bernoulli Randomness and Bernoulli Normality

Mathematics Undergraduate Student Association *November 2021*
University of California, Berkeley *Berkeley, CA*

Presentation Title: An Introduction to the Axiom of Choice

Outreach, Service, and Mentorship

SIGMA Seminar Organizer *Fall 2024 - Present*
University of Connecticut *Storrs, CT*

SIGMA is a weekly seminar for graduate students in the Mathematics Department at UConn. Talks are usually given by graduate students and are intended for a first- and second-year graduate student audience.

Teaching Assistant Mentor *Fall 2023 - Spring 2025*
University of Connecticut *Storrs, CT*

Mentored two first-year mathematics graduate students in their roles as teaching assistants.

MATHCOUNTS Volunteer *February 2025*
University of Connecticut *Storrs, CT*

Helped set up, grade, and clean up for the MATHCOUNTS Eastern Chapter competition at the University of Connecticut. The MATHCOUNTS competition is an event for local middle school students to solve competition-level mathematics problems.

Speaker at the Mathematics Continued Conference *March 2024*
University of Connecticut *Storrs, CT*

The Mathematics Continued Conference features talks for undergraduate students who are interested in continuing to study mathematics after graduating. My presentation introduced computability theory and the Turing degrees.

Directed Reading Program Mentor *Fall 2023*
University of Connecticut *Storrs, CT*

Participated in the Directed Reading Program in the UConn Mathematics department. Mentored an undergraduate student as we read through a textbook in computability theory.

President of UConn AMS Graduate Student Chapter *Fall 2022 - Spring 2024*
University of Connecticut *Storrs, CT*

Organized social and professional development activities for the graduate students in the Mathematics Department.

Secretary of UConn AMS Graduate Student Chapter *Fall 2021 - Spring 2022*
University of Connecticut *Storrs, CT*

Organized social and professional development activities for the graduate students in the Mathematics Department.