

# Aaron Anderson

## Curriculum Vitae

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### Employment

2024– **Hans Rademacher Instructor (Postdoc)**, *University of Pennsylvania*, Philadelphia, PA.

### Education

2018–2024 **Ph.D. Mathematics**, *University of California, Los Angeles*, Los Angeles, CA.

Winter/Spring 2023 **Chateaubriand Fellow**, *Université Claude Bernard Lyon 1*, Villeurbanne, France.

2018–2020 **M.A. Mathematics**, *University of California, Los Angeles*, Los Angeles, CA.

2014–2018 **B.S. Mathematics**, *California Institute of Technology*, Pasadena, CA, GPA: 4.0/4.3.

### Teaching and Outreach

2024– **Hans Rademacher Instructor**, *University of Pennsylvania*.  
Classes such as Calculus (Math 1300, 1400) and Complex Analysis (Math 4100)

Summer **Mentor**, *Canada/USA Mathcamp*.

2021, 2022 Taught classes at a residential summer program for high school students

Fall 2020 **Mentor**, *UCLA Directed Reading Program*.  
Mentored an undergraduate in algebraic combinatorics

2018–2024 **Instructor**, *Los Angeles Math Circle*.

2018–2022 **Graduate TA**, *UCLA*.  
Classes such as Linear Algebra, Graph Theory, Probability, and History of Math

Fall 2017 **TA for Ma/CS 6a: Discrete Math**, *Caltech*.

2014–2017 **Treasurer, Secretary**, *Caltech Harvey Mudd Math Competition*.

### Conference Organizing

July 2026 **ASL North American Meeting**, *University of Pennsylvania*, Philadelphia, PA.  
Local Organizer

### Awards and Fellowships

June 2024 **Pacific Journal of Mathematics Dissertation Prize**.

2023–2024 **Dissertation Year Fellowship**.

Spring 2023 **Chateaubriand Fellowship**.

Oct. 2017 **Semifinalist in Doris S. Perpall Speaking Competition.**  
 Summer 2017 **Rose Hills Foundation SURF Fellow.**  
 2014–2016 **Putnam Exam**, Highest Score: 39, Rank 172. On Caltech Putnam Team in 2015..

## --- **Papers**

In preparation **Examples and Nonexamples of Distal Metric Structures**, with Itai Ben Yaacov.  
 Preprint **From Learnable Objects to Learnable Random Objects**, with Michael Benedikt.  
 2025 arXiv:2504.00847  
 Preprint **Generically Stable Measures and Distal Regularity in Continuous Logic.**  
 2023 arXiv:2310.06787  
 Accepted **NIP and Distal Metric Structures**, Israel Journal of Mathematics.  
 2024 arXiv:2310.04393  
 Accepted **Combinatorial Bounds in Distal Structures**, Journal of Symbolic Logic.  
 2023 arXiv:2104.07769  
 Preprint **The Fraïssé limit of matrix algebras with the rank metric.**  
 2021 arXiv:1712.04431

## --- **Seminar and Conference Presentations**

6/2025 **Recent Applications of Model Theory**, *Institute of Mathematical Sciences*, Singapore.  
 5/2025 **ASL North American Meeting**, *New Mexico State University*, Las Cruces, NM.  
 5/2025 **Iowa Colloquium on Information, Complexity, and Logic**, online.  
 4/2025 **Northeast Model Theory Day**, *Towson University*, Towson, MD.  
 3/2025 **Logic Seminar**, *Rutgers University*, Piscataway, NJ.  
 3/2025 **Logic Workshop**, *NY Logic*, New York, NY.  
 2/2025 **Mathematical Logic Seminar**, *Iowa State University*, online.  
 4/2024 **PKU Model Theory Seminar**, *Peking University*, online.  
 3/2024 **South Eastern Logic Symposium (SEALS)**, *University of Florida*, Gainesville, Florida.  
 1/2024 **Logic Seminar**, *University of Maryland*, College Park, Maryland.  
 1/2024 **Model Theory and Applications Seminar**, *Purdue University*, West Lafayette, Indiana.  
 1/2024 **Logic Seminar**, *University of Illinois, Chicago*, Chicago, Illinois.  
 11/2023 **Logic & Set Theory Seminar**, *UC Irvine*, Irvine, California.  
 11/2023 **Southern California Discrete Math (Poster Session)**, *Cal State LA*, Los Angeles, California.  
 5/2023 **Logic Seminar**, *Kurt Gödel Logic Center*, Vienna, Austria.  
 3/2023 **Séminaire Logique de Lyon**, *Institut Camille Jordan*, Villeurbanne, France.  
 4/2022 **Joint Mathematics Meetings**, online.  
 3/2022 **AMS Spring Central**, online.

- 3/2021 **Graduate Student Conference in Logic XXII**, *UIUC*, online.
- 5/2020 **Short Model Theory Huddle (SMTH)**, online.
- 12/2017 **Caltech Logic Seminar**, *Caltech*, Pasadena, CA.
- 10/2017 **Caltech SURF Program**, *Caltech*, Pasadena, CA, Qualified for semifinals of the speaking competition..

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## Miscellaneous

- 2022 – **Reviewer**, *mathlib*.  
Formalizing math with the Lean Theorem Prover