Aaron Anderson
Curriculum Vitae

✉ awainverse@gmail.com
 awainverse
🖥 awainverse.github.io

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 2021, 2022	**Mentor**, *Canada/USA Mathcamp*. 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 Itaï Ben Yaacov.
Preprint 2025	**From Learnable Objects to Learnable Random Objects**, with Michael Benedikt. arXiv:2504.00847
Preprint 2023	**Generically Stable Measures and Distal Regularity in Continuous Logic**. arXiv:2310.06787
Accepted 2024	**NIP and Distal Metric Structures**, Israel Journal of Mathematics. arXiv:2310.04393
Accepted 2023	**Combinatorial Bounds in Distal Structures**, Journal of Symbolic Logic. arXiv:2104.07769
Preprint 2021	**The Fraïssé limit of matrix algebras with the rank metric**. arXiv:1712.04431

Seminar and Conference Presentations

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..

Miscellaneous

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