

ALVARO PINTADO

apintado@sas.upenn.edu | alvaro-pintado.github.io

EDUCATION

University of Pennsylvania

Ph.D. Mathematics 2023-2028

- Fontaine Fellow

M.A. Mathematics

2023

- Bridge to PhD Fellow
- GPA: 3.9/4.0
- Thesis: A Categorical Perspective on Translations, Advisor: Henry Towsner

University of Nevada, Las Vegas

B.S. Mathematics 2020

TALKS

Graduate Logic Seminar, UPenn

- DPRM - Polynomials are like a Programming Language

October 2023

Graduate Student Seminar, UPenn

- Hilbert's Program and the Incompleteness Theorems

April 2022

Undergrad Resource Fair for Advancement in Academia of Marginalized Mathematicians

- Our Stories Presenter

August 2020

Workshop in Topology and Geometry II, University of Notre Dame

- Directed Homology Theory

August 2019

TEACHING AND SERVICE

Penn Graduate Student Logic Seminar

- Founder/Organizer
- (Co-)organizer

Fall 2022 - Spring 2023
Fall 2023 - Present

University of Pennsylvania

- Head TA: Introduction to Calculus, Math 1300
- TA: Proving Things: Algebra, Math 2030
- TA: Introduction to Calculus, Math 1300; Good Teaching Award
- Grader: Undergraduate Analysis, Math 3610
- Grader: Undergraduate Analysis, Math 3600

Fall 2025
Spring 2025
Fall 2024
Spring 2023
Fall 2022

Penn Directed Reading Program

- TBD*, Naseebullah Andar
- TBD*, One An
- The Incompleteness Theorems*, Naseebullah Andar
- Type Theory and Lambda Cube*, One An
- Computability Theory*, One An
- Algebraic Curves*, Molly Bradley
- Introduction to Proof Theory*, Santiago Velazquez Iannuzzel
- Introduction to Type Theory*, Alexander Kassouni

Fall 2025
Fall 2025
Spring 2025
Spring 2025
Fall 2024
Fall 2023
Fall 2022
Spring 2022

UNLV Academic Success Center

- Mathematics Tutor: pre-algebra through real analysis

2018 - 2020

CONFERENCES AND WORKSHOPS

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|---|-------------|
| • International School and Workshop on Proof Theory | Sept 2025 |
| • Workshop Reverse Mathematics: New Paradigms (invited) | Aug 2025 |
| • Summer School Reverse Mathematics: New Paradigms (invited) | Aug 2025 |
| • International School and Workshop on Proof Theory | Sept 2024 |
| • Oregon Programming Languages Summer School | June 2022 |
| • CMU Summer School in Logic and Formal Epistemology | June 2021 |
| • OSU Young Mathematicians Conference | August 2019 |
| • University of Notre Dame Workshop in Topology and Geometry II | August 2019 |
| • University of Notre Dame Workshop in Topology and Geometry I | August 2018 |