

# Alvaro Pintado

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Website

## Education

### **University of Pennsylvania**

MSc, Mathematics, Expected 2023.

### **University of Nevada, Las Vegas**

BSc, Mathematics, 2020.

## Research Experience

### **Ohio State University Mathematics REU 2019**

Research Advisor: Dr. Sanjeevi Krishnan

Topic: Directed Homology Theory

## Talks

### **Hilbert's Program and the Incompleteness Theorems**

Penn Graduate Student Seminar, April 2021

### **Directed Homology Theory**

Workshop in Topology and Geometry II 2019

University of Notre Dame

## Conferences

### **Summer School in Logic and Formal Epistemology 2021**

Carnegie Mellon University

### **Online Undergraduate Resource Fair for the Advancement in Academia of Marginalized Mathematicians 2020**

Our Stories Presenter

### **Young Mathematicians Conference 2019**

Ohio State University

Poster Session: Directed Homology Theory

### **Workshop in Topology and Geometry I 2018**

University of Notre Dame

## Papers

### **Directed Homology Theory (Draft)**

[PDF Link](#)

## Service

### **Penn Directed Reading Program**

Mentor, Spring 2021: type theory

## Professional Experience

### **UNLV - Academic Success Center**

Tutor, Sept. 2018 - August 2020

Tutored subjects from pre-algebra up to real analysis