

# JOSH MEDRANO

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## EDUCATION

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Expected 2024

### **Ph.D. Human Development**

University of Maryland, College Park

Advisor: Dr. Richard Prather

Dean's Fellow for 2019-2020, 2020-2021

2019

### **M.Ed. Educational Psychology-Applied Developmental Science**

University of Virginia

Advisor: Dr. Jamie Jirout

2016

### **B.A. Psychology**

The Ohio State University

Dean's List for 4 semesters

## RESEARCH EXPERIENCE

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2019-present

### **Graduate Research Assistant**, Cognition and Development Lab

University of Maryland, PI: Dr. Richard Prather

2019-present

### **Graduate Research Assistant**, Science Research and Learning Group

University of Maryland, PI: Dr. Doug Lombardi

2018-2019

### **Graduate Research Assistant**, Research in Education and Learning Lab

University of Virginia, PI: Dr. Jamie Jirout

Projects: Spatial learning as play, Role of magnitude in math and spatial thinking

Duties included: Data collection, data analysis and interpretation using SPSS, reviewing literature, designing and running experiments using OpenSesame, presenting data at conferences

2014-2016

### **Research Assistant**, Cognitive Development Lab

The Ohio State University, PI: Dr. Vladimir Sloutsky

Project: Development of categorization during inductive learning

Duties included: Running participants on eye-tracking and behavioral experiments using EyeLink and PsychoPy, troubleshooting programming errors in experiments, reviewing literature, scheduling graduate researchers and undergraduate research assistants in designated preschools and daycare centers

2015

**Research Assistant Intern**, Berkeley Early Learning Lab

University of California, Berkeley, PI: Dr. Fei Xu

Projects: Development of nonsymbolic probability judgments

Duties included: Recruiting child participants in museum, ran child participants on campus and in museum, learning programming tools like MATLAB and BlendR, weekly meetings

## PRESENTATIONS

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**Medrano, J.** & Jirout, J. (2019). *The role of relative magnitude reasoning in space-math relations*. Poster presented at the Bi-ennial Cognitive Development Society Conference, Louisville, KY.

**Medrano, J.** & Jirout, J. (2019). *Thinking relatively: The role of magnitude in mathematical and spatial thinking*. Poster presented at the 10<sup>th</sup> Curry Research Conference, Charlottesville, VA.

Chen, R.\*, Diallo, M.\*, Hancock, M.\*, Lampe, L.\*, **Medrano, J.\***, Salt, J.\*, & Wright, J.\* (2019). *Motivation analysis of a multiage classroom: Exploring Agnor-Hurt Elementary*. Talk presented at the Virginia Chapter of Association for Learning Environments Annual Conference, Williamsburg, VA.

*\*all speakers contributed equally to this presentation.*

## PROFESSIONAL EXPERIENCE

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Summer 2019

**Graduate Student Coordinator**, Summer Undergraduate Research Program, University of Virginia

August 2017-August 2018

**Administrative and Teaching Assistant**, T.C.P. World Academy, Cincinnati, OH

December 2016-June 2017

**AmeriCorps/Ohio Math Corps Tutor**, Maddux Elementary School, Cincinnati, OH