

## EDUCATIONAL PSYCHOLOGY & TIER-ED PRESENT:



### **Integrating Computational Thinking and Math Education**

Presented by

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The Ohio State University

**Wednesday, October 30**

2:00 – 3:00 PM

210A Education Building

**Abstract:** What does computational thinking (CT) mean for mathematics education, and how can it change what is possible for a wide range of learners? This question will animate our discussion of CT as a pedagogical construct as we engage in what is possible in CT's educational research and curriculum development efforts. We will also be engaging CT's practices and dispositions, relevant in computer science, can support successful problem solving across disciplines.

**Bio:** Dr. Pérez is an assistant professor at The Ohio State University. He has contributed to multiple projects focused on the teaching and learning of mathematics and the use of reform-based practices in urban settings. His research focuses on algebraic reasoning and the learning of mathematical functions in high school. His current project develops accessible yet relevant approaches to integrate modeling and computer programming experiences into algebra to transform the mathematical understanding, problem-solving practices, and STEM+Computing investment of teachers and students alike. He is also working with national assessment data to explore the college preparedness of 12th-grade students, particularly those students who are from historically underperforming backgrounds. For more information: <https://ctme.ehe.osu.edu/>