

COLLABORATIVE RESEARCH BROADENING PARTICIPATION OF LATINX STUDENTS IN COMPUTER SCIENCE BY INTEGRATING CULTURALLY RELEVANT COMPUTATIONAL MUSIC PRACTICES (REMEZCLA) | AWARD # 2005791

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<https://remezcla.ceismc.gatech.edu> | <https://sites.google.com/upr.edu/remezcla>

Project Description

Remezcla addresses the lack of representation of Latinx and Spanish-speaking students in computer science. We expand these students' engagement in the U.S. and Puerto Rico by designing, implementing, and assessing a new culturally relevant and culturally sustaining informal curriculum focused on teaching programming, computational thinking, and music composition through EarSketch.

Key Achievements

- Culturally-relevant and bilingual attitudinal instrument development
- Bilingual curricula (summer and afterschool versions)
- We learned that launching and running afterschool programs during and after COVID is very challenging for recruitment and retention

Audience & Settings

Audience: Middle and High School Latinx students
Disciplinary area: Computer Science
Learning environment: K-12 schools and university campuses

Access and Inclusion

One of our goals was to make our coding platform, curriculum and research more accessible, inclusive, and authentic to bilingual Latine students and practitioners. At the end of this project all our materials, curriculum and research tools will be available in Spanish and English. We also adapted EarSketch (our web-based coding platform developed by GT) to make it fully available in Spanish, translated all its current curriculum, and created - in partnership with artists- 200+ new Latin genre beats and sounds. These products are already available and free to the public.

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With our Georgia Tech colleagues

