Oscar Avila

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EDUCATION

MIAMI UNIVERSITY; Oxford, OH   May 2025
Bachelor of Arts in Computer Science
Bachelor of Music in Composition
Cumulative GPA: 3.73; Cum Laude

PROJECTS

SAFE STEP   April 2025
- Proposed, designed, and implemented a wearable device designed to help blind or low vision individuals navigate urban environments
- Placed in top four teams of MUCAT Assistive Design Competition, securing funding to develop prototype

BUTTON MASHERS   August 2024
- Designed and implemented a web-based game piece of music; allows audience to interact with the piece with their cell phones
- Performed at Miami University Laptop Ensemble's Fall 2024 Concert

MORSE SAMPLER   August 2023
- Designed and implemented a web-based sampler that plays back in the rhythm of morse code based on user-entered text
- Used in performance at Miami University Laptop Ensemble's Fall 2024 Concert

HARP TUNING   Jan 2023
- Designed and implemented a website that enables users to create custom harp tuning diagrams for use in music notation software

ACTIVITIES

NEW MUSIC COLLECTIVE   Aug 2023 – Present
Founding Member, Treasurer
- Founding Miami University's only music ensemble dedicated to the performance of works from living or underrepresented composers
- Managed creation of club, including attending training sessions, meetings with student activities, and managing financial accounts

ART MUSIC CLUB   Aug 2023 – Present
President
- Secured funding for the club to bring visiting ensembles to campus to give concerts of their own repertoire and of pieces written by Miami composers

STAGE LEFT   Feb 2022 – May 2024
Orchestra Director
- Recruited, organized and ran rehearsals, and conducted orchestra for 3 musical theater productions

AWARDS & SCHOLARSHIPS

HILL COMPOSITION AWARD   May 2023, May 2025
MIAMI UNIVERSITY SYMPHONY ORCHESTRA COMPOSITION COMPETITION   Oct 2023
SCHOLAR-LEADER SCHOLARSHIP   May 2023

SKILLS

Programming Languages: HTML, CSS, JS , Python, C++
Technologies: React, Astro, Digital Ocean Cloud Computing
Languages: Fluent in English, Spanish
Technical Skills: Music software, audio recording, music notation software