TINO CARDENES

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Education
Carnegie Mellon University: Bachelor of Computer Science and Music   05/2027

Experience
Audio and Software Engineer
- Implemented VST plugins, dynamic web applications, a dynamic memory allocator, virtual machine, and deployed webhook workers to the cloud
- Engineered generative music programs, virtual synthesizers, and web apps
- Created audio visualization programs using Java, Max (OpenGL), and C++
- Recorded, mixed, and mastered The Vlahakis Sessions, concert live-streams, and video production projects

Pianist
- Performed solo and chamber repertoire with orchestras, jazz groups, and small ensembles, both locally and internationally
- Freelanced as a event pianist for music organizations around Pittsburgh, and regularly play for dance, voice, and musical theater classes.
- Taught private studio, improvisation, and music technology classes to students aged 9-20

Projects
- **Shadyside Porch Concerts** (05/2020– Present) Co-founder, Director, Performer, and Audio Engineer for a free neighborhood music series in Pittsburgh. The series fosters community through performances by local musicians and Grammy Award-winning artists across a wide range of genres
- **SonicScore** (07/2025) Creator and Swift Developer of the SonicScore Editor, implementing encrypted file storage, secure cloud-based activation keys, dynamic visual customizability, and custom user iconography for professional-grade sound bath music notation
- **Alumni Network** (02/2024 – Present) Co-Founder and Developer of the Alumni Network node.js app enabling graduates to connect with students, share updates, and aid in career insights through an interactive D3.js-powered visualization of social and professional links
- **Azure Family Concerts** (07/2022 – Present) Regular performer on the concert series which offers all-behaviors-welcome events for families with members on the autism spectrum. Collaborated with organizations across Pittsburgh, including Carnegie Libraries, Attack Theatre, and local schools

Skills
Music: Jazz, Classical, and Collaborative Piano • Audio Engineering • Arranging
Technology: Audio Synthesis • MIDI Hardware • Computer Systems • DAWs • Video Editing
Languages/Software: C, C++ (JUCE), JS+TS, Swift, Python, x86, Max, Premiere Pro, ProTools
Links: Website • GitHub • YouTube • Instagram