

Chalece DeLaCoudray

Audio Quality and Music Technology | Audio Program Management | Music and Code Education

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SUMMARY

Lifelong musician and music technologist who has spent 10+ years where audio, software, and learning meet. Led audio quality and hardware compatibility for Amp, Amazon Music's live audio streaming app, across 50+ device combinations and 1,200+ test scenarios, stood up its Audio Hardware Testing Lab, and holds two music technology degrees.

SKILLS

Audio: Pro Tools, multi-DAW studio recording, audio engineering, mixing and production, perceived audio quality measures, live audio.

Quality and release: hardware compatibility testing, release readiness, operating procedures, testing lab setup, stakeholder management, cross-functional coordination.

Music technology and research: EarSketch, computational musicology, lyric transcription by ear, analysis of lyricism and spoken rhythm, educational game design in Phaser.

Programming: Python, JavaScript, TypeScript, Bash, SQL, HTML5, CSS, Git.

MUSIC TECHNOLOGY EXPERIENCE

Program Manager, Audio Quality

Dec 2021 to May 2023

Amazon Music, Atlanta, GA

- Led Audio Quality and Hardware Compatibility programs for Amp, Amazon Music's live audio streaming app, spanning 50+ device combinations and 1,200+ test scenarios.
- Partnered with security and facilities teams to allocate, outfit, and write operating procedures for a new Audio Hardware Testing Lab, covering the equipment and testing workflows partner teams ran each release cycle to prevent regressions.
- Managed the work defining objective measures of perceived audio quality used to benchmark product improvements and release readiness.
- Coordinated product, engineering, security, and facilities partners against recurring release schedules.

Workshop Facilitator and Panelist, Contract

2023 to Present

Georgia Institute of Technology, Atlanta, GA

- Facilitate annual hands-on EarSketch coding workshops that introduce high school learners to computer science through music creation.
- Serve on student panels about pathways into computing and music technology.
- Use participant questions and live-instruction observations to revise learning content and delivery.

Junior Audio Engineer, then Administrator

Nov 2012 to May 2016

Tree Sound Studios, Norcross, GA

- Worked in a professional recording environment across multiple DAWs, supporting sessions with artists, musicians, producers, and engineers.
- Worked across the recording process, including session preparation, signal flow, tracking, playback, editing, and helping move a session toward the sound the artist or producer was trying to reach.
- Developed an early understanding of creative software from the user side: which tools disappear into the work, which interrupt it, and how small workflow decisions can either support or break a creative process.
- As Administrator from 2014 to 2016, worked with the CEO, CFO, and GM to optimize studio resources, and prepared and reconciled bank statements and general ledgers in QuickBooks.

ADDITIONAL EXPERIENCE

Founder and Developer | Independent Full-Stack Development | 2020 to Present

Co-Founder | E22 Athletic Development | Jan 2024 to Present

Computer Science Curriculum Developer | Codio | Jun 2021 to Jun 2026

STEAM Curriculum Integration Specialist | CEISMC, Georgia Institute of Technology | Jun 2019 to Nov 2021

Lead Teaching Assistant | Georgia Institute of Technology | May 2019 to Aug 2019

EDUCATION

Master of Science, Music Technology, Cognitive and Computational Musicology 2018 to 2020

Georgia Institute of Technology, Atlanta, GA

- Graduate research on cultural and regional identity in 21st-century rap, transcribing lyrics by ear and analyzing lyricism and spoken rhythm across artists.
- Graduate coursework in educational technology and human-computer interaction.
- Herbert P. Haley Graduate Fellowship and OMED Tower Award.

Bachelor of Arts, Music Technology 2008 to 2012

Bethune-Cookman University, Daytona Beach, FL

- Performed with the Marching Wildcat Band and the Symphonic Band.

PUBLICATIONS

- IEEE RESPECT 2021. Your Voice Is Power, co-author.
- ASEE Annual Conference and Exposition 2023. Your Voice Is Power curriculum study, co-author.
- ACM CHI 2020. Planet Bug: Promoting Awareness of Declining Insect Populations, co-author.