

Chalece DeLaCoudray

Technical Curriculum Developer | Learning Experience Designer | Developer Education

cdelacoudray@gmail.com | Atlanta, GA | 912-271-6997

linkedin.com/in/chalecedelacoudray | chalece-portfolio.vercel.app

SUMMARY

Technical curriculum developer and learning experience designer who has spent 10+ years helping people learn hard technical things by doing them. Authored and published 10 Coursera courses reaching 48,000+ learners across Unix and Bash, containers, CI/CD and DevOps, operating systems, and web security, owning each from learning architecture through labs, assessments, video, and data-informed revision.

SKILLS

Learning design: learning objectives, course and learning-path design, module sequencing, assessment design, hands-on labs, coding exercises, scenario-based and game-based learning, asynchronous and self-paced learning, instructor-led to e-learning conversion.

Content and media: technical writing for developer audiences, scripting, storyboarding, instructional video, screen recording, interactive concept visuals, publishing workflows, learning analytics and data-informed revision.

Authoring tools: Codio, Coursera, Articulate Storyline, Articulate 360, GitHub, WordPress, Elementor, Canva, Premiere Pro, Final Cut Pro, Photoshop, Illustrator.

Technical fluency: Python, JavaScript, TypeScript, Java, Bash, Unix, SQL, HTML5, CSS, REST APIs, React, PostgreSQL, Git, web security, WCAG and accessibility.

LEARNING DESIGN EXPERIENCE

Computer Science Curriculum Developer

Jun 2021 to Jun 2026

Codio, Remote

- Authored and published 10 self-paced technical courses on Coursera reaching 48,000+ learners across Unix and Bash, containers and orchestration, CI/CD and DevOps, operating systems, and web security, owning each from research and learning architecture through labs, assessments, quality review, and publication.
- Defined action-based learning objectives and built formative and summative assessments, with asynchronous labs and coding exercises designed to stand alone without a live instructor.
- Served as content lead for a 10-week software and CI/CD program in which learners built and deployed applications through GitHub Actions, releasing a module every week and meeting every deadline.
- Used assessment performance, platform reporting, and cohort-level data to prioritize revisions and guide later content development.
- Built a four-course operating-systems specialization as a sequenced learning path, and authored Data Security for Web Developers.
- Designed and led the Summer Creative Coding Intensive in 2022 and 2023, taking near-beginners through Python and Pygame fundamentals to group projects and capstone presentations.
- Scripted, storyboarded, produced, and edited instructional video, and built interactive visuals for concepts such as process scheduling and container orchestration.
- Partnered with engineering, product, and subject-matter experts to validate technical accuracy and find where learners got stuck.

STEAM Curriculum Integration Specialist

Jun 2019 to Nov 2021

CEISMC, Georgia Institute of Technology, Atlanta, GA

- Designed and co-taught project-based STEAM and computer science curriculum aligned to CSTA standards and Georgia music standards at the same time.
- Guided GoSTEAM learners from a problem in their own community through application design, development, testing, and presentation.
- Taught and supported technical projects in Java and JavaScript.
- Integrated computer science, visual arts, audio-video technology, and music in one curriculum.

Lead Teaching Assistant

May 2019 to Aug 2019

Georgia Institute of Technology, Atlanta, GA

- Led a cohort of teaching assistants supporting Fundamentals of Musicianship and Survey of Music Technology, and tutored learners one-on-one to build confidence with unfamiliar music software.

Your Voice Is Power | Creator and Lead

- Originated and led a project-based curriculum and global coding competition in which learners remix Pharrell Williams' music in EarSketch with Python and JavaScript.
- Built it with subject-matter experts and partners at Georgia Tech EarSketch, Amazon Future Engineer, and YELLOW, reaching participants on four continents.
- Co-authored the peer-reviewed paper at IEEE RESPECT 2021, with a related study at ASEE 2023.

Youth Mentoring | Black Girls CODE and Girls Rock Camp ATL

- Ran virtual Python and EarSketch coding workshops for 30+ learners with Black Girls CODE, and supervised the audio-visual team and mentored teens at Girls Rock Camp ATL.

ADDITIONAL EXPERIENCE

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

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

Program Manager, Audio Quality | Amazon Music | Dec 2021 to May 2023

Workshop Facilitator and Panelist, Contract | Georgia Institute of Technology | 2023 to Present

Junior Audio Engineer, then Administrator | Tree Sound Studios | Nov 2012 to May 2016

EDUCATION

Master of Science, Music Technology, Cognitive and Computational Musicology

2018 to 2020

Georgia Institute of Technology, Atlanta, GA

- 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

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.