



Events

[Current Events](#)[Lectures](#)[Events Archive](#)**(CANCELED) Programming Music Summer Camp****June 1-5, 2020****Louisiana State University, Digital Media Center******CANCELED****

Experience a mixture of coding, instrument design, and music making in this one-of-a-kind week-long camp designed for middle and high schoolers. Supported by the [LSU Center for Computation & Technology](#), as part of their Cultural Computing focus, this course incorporates computer programming and musical performance.

Learn coding in javascript to create music through [EarSketch](#) from our friends at the Georgia Tech Center for Music Technology. Live code music in a web browser with [Charlie Robert's Gibber](#). Make your own **web audio instruments** to play on your cell phones. Topics on music theory, composition, UI design, and sound synthesis will be covered as groups form and hone musical performances. Final instruments, live coding pieces, and songs will be showcased on a concert at the conclusion of the week.

Who:

This is a beginner course in programming and music, though basic computer skills are required. Those with prior programming experience will still find many topics to learn and opportunities to apply their newly acquired DSP knowledge to making music. High school students (grades 9-12) and Middle School students (grades 6-8) who have a little computer experience should enroll. If the student has taken any of the CCT Summer courses they will be well prepared and encouraged to take this course. [Register Now!](#)

Cost:

\$155.00 pp. Participants must provide their own transportation. Lunch will be provided.

Taught by:

Matthew Bardin, Doctoral student in Experimental Music & Digital Media at LSU. Mr. Bardin combines his music composition and performance background with technology to create novel musical works. He has taught programming digital media in the LSU STEM Pathway in Digital Design & Emergent Media.

[Dr. Jesse Allison](#), LSU Associate professor of Experimental Music & Digital Media. Dr. Allison teaches experimental approaches to sonic art and music through technology. His work centers around the idea that computer interactivity, used wisely, can produce new and engaging forms of art. He coordinates the Experimental Music & Digital Media program at LSU, is director of the LSU STEM Pathway in DDEM and the EMDM Academy educational outreach activities. <http://emdm.lsu.edu> <http://lsupathways.org>

Schedule:

Monday - Thursday, 9:00 a.m. - 4:00 p.m.; Friday,* 9:00 a.m. - 5:00 p.m. [*family members and friends invited for Camp Showcase on Friday @ 3:30 PM]

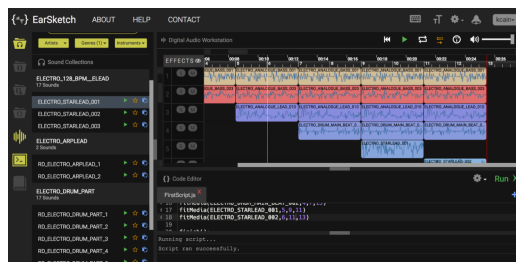
Location:

LSU Campus, Digital Media Center, Room 1034. [Map it!](#)
For questions or special needs, contact Karen Jones at kjones@cct.lsu.edu or 225-578-0595.

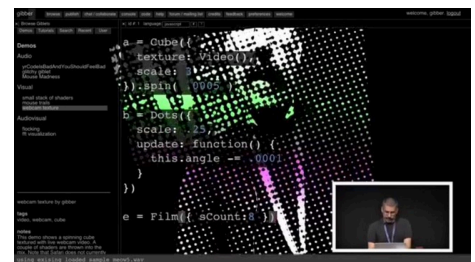
For a taste of Experimental Music and the EMDM Academy activities, check out - <http://emdm.lsu.edu>



Mobile phone instruments with LSU's NexusUI



EarSketch composition through coding.



Live coding image and sound in Gibber