Chiptunes are electronic music compositions or performances either emulating the sounds of or created through early computer and video game sound chips. People engage with chiptunes through a wide variety of practices: music performance, computer and video game hardware modifications, software modifications and computer programming, traditional Western European classical composition practices, music production, electrical engineering, and art. Note: If you are unfamiliar with what chiptunes sound like, use the link on the bottom right corner to access two chiptune playlists.

## What are Chiptunes?

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## Problem and Motivation

Scholarship on the intersections of computer science education and music education explores a multitude of interdisciplinary connections such as performing music through live coding practices, designing and building electronic music instruments, and the intersections of computational thinking and music making. Studies that explore these connections tend to focus on the intersections of isolated practices from computer science and music within a formalized educational space or through a particular platform. While such examples demonstrate interdisciplinary connections between the two fields, they are often decontextualized from practices outside of formalized educational contexts or are contrived for academic purposes.

This study investigated 245,089 discussion forum posts within an informal, online space with a multitude of computer science and music practices. Findings from this study demonstrate the potential for transdisciplinary learning between computer science education and music education that merges computer science hardware and software practices with music making practices.

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