

Contributing to Sonic Pi

Team: temp_name

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CSCI 462: Software Engineering Practicum

Department of Computer Science, College of Charleston

Sonic Pi is a complete open source programming environment originally designed to explore and teach programming concepts within schools through the process of music composition. It was created in 2012 at Cambridge University by Sam Aaron with the intention of assisting schools, collaborating computing and music lessons. The project's goal was to create a medium of music that is code itself, utilizing the computer as a musical instrument. We went into this project wanting to help contribute to the project but also wanting to create new functionality for Sonic Pi. We were really interested in one of their harder projects of syncing multiple Raspberry Pi's together as an orchestra. While we did not get a chance to finish our implementation of the orchestra, we were able to push an update to the server's external libraries included as dependencies, create bash scripts for easy installation, and get experience in the open source world. This project has taught us many lessons throughout the semester and we learned the importance of open source, documentation, and collaboration.