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PORTFOLIO GUIDE – CODING

Hosted at https://github.com/aarongrisez

GitHub Repositories

- **Qsys** **Fall 2018**
  Library code for simulating a quantum musical system. Collaboration, In Progress.
  Technologies: C++, Godot
- **CppExercisess** **Fall 2018**
  Miscellaneous projects intended for practicing data structures and algorithms applications
  Technologies: C++
- **WAVDifferenceAnalysis** **Fall 2018**
  CLI application for analyzing the differences between given .wav files. In Progress.
  Technologies: C++
- **ReverseDistinguishability** **Fall 2018**
  Numerical exploration of quantum distinguishability measures in a resource theoretic context. In Progress.
  Technologies: Python (NumPy, SciPy, CVXPY), MatLab, Jupyter Notebook
- **Bellga.me-Public** **Fall 2018**
  An online implementation of the game behind "Bell's Theorem" in quantum mechanics.
  Technologies: Python (Flask), AWS (EB, RDS, Route 53)
- **Qhord** **Fall 2017**
  Python Prototype of the Qhord mobile application, a game for playing quantum music.
  Technologies: Python (NumPy, SciPy, Kivy), Xcode, Android Studio
- **ScientificComputationFinal** **Fall 2016**
  Final exam from a Scientific Computation Course taken in Fall 2016
  Technologies: Python (NumPy, SciPy), Jupyter Notebook

PORTFOLIO GUIDE – AUDIO

Hosted at https://github.com/aarongrisez/AudioPortfolio

Logic Pro Projects

- **We Could Have Had One Dance** **Spring 2017**
  Popular Song Mashup: *Rolling in the Deep* (Adelle) and *One Dance* (Drake)
  Excerpt: 60 seconds
- **IEOC 860** **Fall 2016**
  Full-length electronic composition; with narration if performed live
  Entire Piece: 7 minutes 30 seconds
- **Soundtrack 1** **Fall 2014**
  Short electronic composition, generic action scene background
  Excerpt: 90 seconds

Selected Notated Scores

- **peclamit** **Spring 2017**
  Full-length solo piano composition for live performance
  Entire Piece: 5 minutes
- **string quartet no. 1** **Spring 2017**
  Full-length string quartet composition for live performance
  Entire Piece: 12 minutes