

15112F17

Competitive Analysis

Lavender Jiang

SoundwaveArt.com

- Create Art and Jewelry from sounds

- For painting, they basically just print the coloured waveform of the audio on a canvas or wood plaque. And for jewellery, they carve the shape of the sound wave to necklace and rings.

- Very uncreative. Should definitely be better than them

Paul Prudence's Rynth Project

- Turn sound data into image in real time
 - Used algorithm related to geometry
 - Black and white only
 - Also generate image based on pitch

Tim Bavington's Colour Wheel

- Matches chord to color
 - Use the colour theme on famous painting

Feauture Table

Project/Feature	Color	Chord Mapping	Geometry	Real Time	Pitch Mapping
WaveArt	Yes but random	NO	NO	NO	NO
Prudence	No	No	Yes	Yes	Yes
Bavington	Yes	Yes	No	No	Yes

Summary

My project should be able to perform pitch matching and chord mapping to express the music more precisely. It should be colourful because coloured painting has more dimensions and emotions. I don't think I'm going to do anything geometry related. Instead, I would be like Bavingston and used the generated tones and pattern to fill a sketch. The real time feature is cool and can be added to my wish-I-have-time-to-do list.