

**sdmay23-04: Engineering Art**

Week 8 Report

November 11 - November 18

**Team Members**Elizabeth Fransen — *Communicating Guru & Researcher*Tomas Elias — *Researcher & Note Organizer*Winter Robertson — *Researcher*Cosette Thompson — *Researcher*Ayden Boehme — *Researcher*Shelby Murray — *Researcher and Note Taker*Nathan Underwood — *Researcher***Summary of Progress this Report**

During these dates, we spent time ideating using a Lotus Blossom to finalize our design for the senior design project. We decided on narrowing our idea to the following description:

“Monitor Brainwaves while listening to music and generate some form of art (not necessarily visual) and show an individual result to the user and show a comparison to everyone else who has gone to the exhibit. (Also keeping track of the metric of the number of users visited)”

We also discussed some of the specific details of the project, although these details are still being finalized. We discussed the form of art as potentially being visual or audible, but we have not finalized this decision yet. We also investigated some of the similar projects that could help us with our own such as the Magenta Project, AI DJ Project, as well as others. Overall, we have our finalized broad idea and have begun working out the specific details of the project.

**Pending Issues**

\*Finalize details for the broad design chosen

\*Decide on method for monitoring brain waves (Muse 2 or create an EEG device from scratch)

\*Probable AI algorithms for constructing the art from the individual brainwaves

**Plans for Upcoming Reporting Period**

~ Finalize details of chosen design

~Practice and work on the final presentation

**Individual Contributions**

Team Member	Contribution	Weekly Hours	Total Hours
Elizabeth Fransen	Research on deep dive AI, Ideation, added to the Lotus Blossom Diagram, Participation in	4	0

	final design discussion		
Tomas Elias	Research on deep dive AI, Ideation, added to the Lotus Blossom Diagram, Participation in final design discussion	4	
Winter Robertson	Research on deep dive AI, Ideation, added to the Lotus Blossom Diagram, Participation in final design discussion	4	
Cosette Thompson	Research on deep dive AI, Ideation, added to the Lotus Blossom Diagram, Participation in final design discussion	4	
Ayden Boehme	Research on deep dive AI, Ideation, added to the Lotus Blossom Diagram, Participation in final design discussion	4	0
Shelby Murray	Research on deep dive AI, Ideation, added to the Lotus Blossom Diagram, Participation in final design discussion	4	
Nathan Underwood	Research on deep dive AI, Ideation, added to the Lotus Blossom Diagram, Participation in final design discussion	4	0

**Gitlab Activity Summary**Nothing to report.

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