

Team 10

Project Title: Embedded Machine Learning

Date: 10/11/2021

Members:

James Gossling

Jackson Lopata

Hailey Lucas

Eric Reusch

Frankie Mago

Isaac Stich

Christian Williams

What we've accomplished in the past week/what we've been researching

James Gossling - Finished coursera course, , researched hardware, discussed and selected project

Jackson Lopata- Finished machine learning course, thought about locking mechanism

Hailey Lucas- Finished the embedded ML learning coursera course.

Eric Reusch - Finished coursera course, researched similar hardware and software on door lock project

Frankie Mago: Researched potential cameras for a vision. Watched a video on keyword spotting, and looked at a single potential board.

Isaac Stich- Finished week two of the Coursera ML Course, researched hardware, became familiar with use of the arduino microcontroller..

Christian Williams- Researched objects similar to the ones that we are developing, looked at possible boards like BLE sense and Jetson boards

What we're planning to do in the coming week

James Gossling - work on project design, refine requirements and core features

Jackson Lopata- Complete design lighting talk, work on design assignment, look into locking mechanisms.

Hailey Lucas- Research hardware and embedded machine learning systems. Explore links provided by project advisor. Work on design document and refine project scope.

Eric Reusch - Continue research on sound recognition with machine learning and similar solutions

Frankie Mago: Continue with course in computer vision. Look into how to train a non-biased keyword spotter, what types of data we will need.

Isaac Stich - Try to finish the Coursera Course, and do some research on the potential of using the Arduino MC for the project.

Christian Williams- Continue research on similar objects and parts until we decide on hardware parts and design. Keep looking into possible boards.

Issues we had in the previous week

James Gossling - None

Jackson Lopata - None

Hailey Lucas- None

Eric Reusch - None

Frankie Mago: None

Isaac Stich - None

Christian Williams- None