

Team 10

Project Title: Embedded Machine Learning

Date: 10/18/2021

Members:

James Gossling

Jackson Lopata

Hailey Lucas

Eric Reusch

Francis Mago

Isaac Stich

Christian Williams

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

James Gossling: Sourced some parts, nailed down core features

Jackson Lopata: Looked into COTS locks to modify for the project, and started on the design on the mechanics to operate the lock

Hailey Lucas: Researched and summarized links from our project advisor related to embedded ML.

Eric Reusch: Looking into similar software for audio recognition, potential hardware hurdle research (with the locking mechanism)

Francis Mago: Looked at potential hardware to use for the project, stopped computer vision as it is out of the scope of the project at the moment.

Isaac Stich: Did research on potential locking mechanisms.

Christian Williams: Researched possible parts for hardware and similar objects

What we're planning to do in the coming week

James Gossling: Continue sourcing parts

Jackson Lopata: Continue working on the design for the lock.

Hailey Lucas: Continue researching and reading articles, help work on design

Eric Reusch: Continue researching similar software, determine methods of data collection

Francis Mago: Start researching how to take good data for keyword spotting. Identify bare minimum data required and how to expand on it.

Isaac Stich Continue research for the project including parts and different microcontollers.

Christian Williams: Continue with part research and help with designing if possible.

Issues we had in the previous week

James Gossling: None

Jackson Lopata: None

Hailey Lucas: None

Eric Reusch: None

Francis Mago: None

Isaac Stich: None

Christian Williams: None