

**EE/CE 4388: Senior Design I**

**Summer 2021**

**Submission Date: July 16th, 2021**

***A. Last Meetings Action Items***

1. Finished and presented data loader to mentor
2. Verified that KWS 20 demo worked on board

***B. Weekly Progress Report***

1. Dataset effectively tripled
2. Created Dataloader
3. Set up a connection to board’s terminal using puTTy software
4. Verified that MinGW32 was working on the board

***C. Achievements and Concerns***

1. Submitted reimbursement form
2. Received Maxim MAX78000FTHR board
3. Still need to connect FEATHERWING screen to microcontroller
4. Troubleshooting loading files into MinGW32

***D. Additional Remarks***

1. Goals for next week: Have dataset augmentation fully functional to effectively triple the size of our dataset
2. Implement the data loader + training with nn code
3. Convert image into a PIL image format to use with the rest of the code
4. Convert last week’s tensorflow nn into a pytorch nn
5. Synthesize the project