

Summary of Hours and Justification

Summary of Hours

This document summarizes the hours spent working on this project. Since I was the only group member, the project hours and my hours are the same.

Fall Semester	Hours
Reading and Understanding Research	15
FC Feature Selection Pipeline	15
GMN Pipeline	15
Meetings	5
Senior Design Assignments	10
Semester Total	60

Spring Semester	Hours
GMN and Pipeline	20
S-GCN and Pipeline	20
Debugging Pipeline and Improving Training	20
Meetings	5
Senior Design Assignments	15
Semester Total	80

Project Total	140
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Justification

In the fall semester, I spent at least 15 hours reading and understanding the background research papers for this project. I implemented the framework described in “Feature Selection Framework for Functional Connectome Fingerprinting,” which took at least 15 hours. My meetings with my advisor, Gowtham Atluri, totaled to at least 5 hours. I also spent at least 15 hours working on the initial version of the ML pipeline, which at the time was just for Graph Matching Networks. I also estimate that the Senior Design assignments took me 10 hours.

Over winter break, I spent a significant amount of time implementing the GMN and reworking the pipeline. This took over 20 hours. I’ve included this under the spring semester hours.

In the spring semester, I continued working on the pipeline and implemented the Siamese Graph Convolutional Networks, and a conservative estimate for this is 20 hours. I also ran into issues during the spring semester related to the pipeline and model training. My estimate for fixing these issues is 20 hours. Meetings with my advisor totaled to an estimated 5 hours. Working on Senior Design assignments, including the poster and everything Expo related, took an estimated 15 hours. While I suspect that I spent more time than this on the project since there were many hours that I did not track, these estimates give an idea of how the hours of work were distributed for the project.