Daniel Komac
Wesley Nguyen
Adam Jensen

Group4: Team Leader Report

Wesley:
Hours: 2 hours
Activity: Our group has decided to go with Adam's proposal regarding self-driving cars and the need for vehicle-to-vehicle communication. I read his proposal and, on his recommendation, read "Networking and Communications in Autonomous Driving: A Survey." I also looked around for examples of Tesla's self-driving data processing.
Going Forward: I intend to brush up on my coding skills, specifically focusing on network communication. I will also plan to learn how to convert data collected via motion sensors and process them efficiently utilizing code.

Adam:
Length: 2 Hours
Activity: I read the senior project that was presented last year on the semi-autonomous driving car and researched what parts they used and how they implemented it. Originally, I was planning on creating a rack and pinion system which is found in current cars in order to control the steering, but after reading their report I realized that using two motors for the wheels would be a sufficient. I then reread "Networking and Communications in Autonomous Driving: A Survey" and used the info to make a rough plan of the basic tasks that we would need to complete heading forward.
Going Forward: I plan to create a parts list of items that we would need to procure as well as research additional ways to connect the cars to a network. I will also need to study machine vision and a way for the vehicles to utilize gps.

Daniel:
Length:3-4 Hours
Activity: Went over Adam problem statement and read two of the articles he had posted in his resources: "Vehicle-to-Vehicle Communication for Autonomous Vehicles: Safety and Maneuver Planning." and "Examining the Driverless Future: An Analysis of Human-Caused Vehicle Accidents and Development of an Autonomous Vehicle Communication Testbed." Just to get accommodated with the information presented. Also using a paper that Adam referred us to and we all agreed to look over called "Networking and Communications in Autonomous Driving: A Survey"
Going Forward: Will be looking into python and other networking code to understand the mechanisms that will be needed to implement device autonomous communication.

We are estimated to spend around the same amount of time next week researching into our project in terms of mechanisms and resources to be used. We will also begin to aggregate resources for our project submittal for next week. As of now since we have only got the idea down the project is probably around 4% completed since we're since getting the bare bones together and scrapping together ideas to try and reach our goal.