Cannon Whitney's Report

1) Time Dedicated to the Project

3 hours: coordinating with STAR Lab on acquiring reference files and future work
2 hours: planning out immediate next steps and how to achieve them
4 hours: working on the first presentation

In total I spent about 9 hours this week. I kept progress steady by splitting time between external coordination, internal planning, and deliverable work so that the team had a clear direction and a concrete artifact (the presentation) by the end of the week.

2) Contribution to the Project Development Process

I designed the architecture of our initial ROS 2 package. Afterwards, I laid out and assigned the tasks needed to implement it. I reviewed the structure of the reference files sent by the STAR Lab so our package can be compared to a known solution.

3) Demonstration of Applied Knowledge

I created project scaffolding for the ROS 2 package and sketched out the required ROS 2 components and how they should be integrated. I applied prior knowledge of ROS 2 and software architecture to turn the lab's existing executables into a pub/sub design. I also communicated with other members of the STAR Lab to ensure this architecture would address their needs.

4) Reflection and Lessons Learned

I figured that early, explicit communication with external stakeholders pays off—getting concrete reference material and feedback before locking the architecture helped avoid rework. I also saw how useful it is to separate "coordination and planning" from "implementation" in my own schedule so that the team always has a clear next step. I will continue to validate the design against the reference solution as we implement.