**PROJECT TITLE: Child Drone**

**NAME: Bora Ocbe DATE: 5/21/2015**

**WORK COMPLETED LAST WEEK**

The first task that I am in charge of is to test the hardware of the Crazyflie. Since we have many separate parts, I was in charge of working on one of the Crazyflies for the coding aspect. I was able to test out the Crazyflie and the CrazyPA radio and can verify that they work. I was also able to start putting dummy code onto the Crazyflie firmware to start the process of implementing stabilization functions.

**WORK PLANNED FOR NEXT WEEK**

The next task is to implement the stabilization of the Crazyflie. Since there will be no human controlling the drone, we need to lay the foundation of the automation by having a system in place to make the drone fly stable. The easiest way to test this is to have the drone be able to fly in place. Next week, I will try to have the drone be able to take off by itself and hover 4 or 5 feet off the ground and remain in position.

**OPEN ISSUES**

Finding a way to debug the software in real-time. (e.x. place breakpoints, watch variables change, etc.)

**DELIVERABLES AND MILESTONES**

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| Task | Milestone | Planned | Actual |
| Test Crazyflie | Install new firmware |  |  |
| Test Radio | Communicate between Crazyflie and Computer |  |  |
| Basic movement | Fly the Crazyflie to make sure it works |  |  |