

EE 183 DB Week6 Plan

Team Daphne

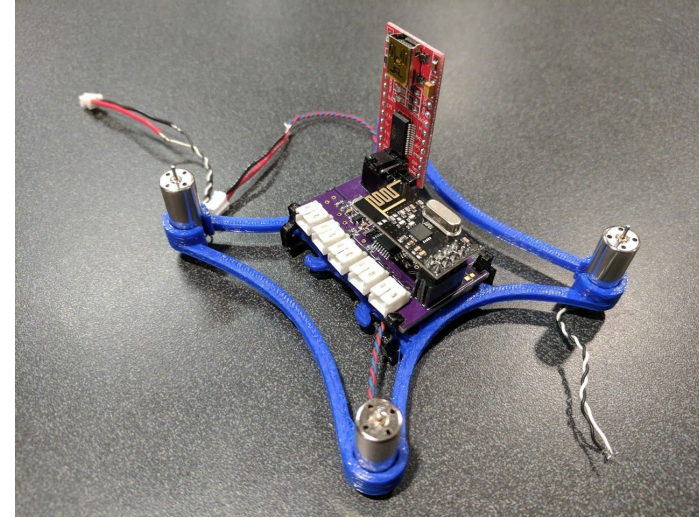
Jerry Duan

Kevin Fan

Likai Wei

Week 5 Progress

- On Schedule
- Quadcopter fully assembled
 - Soldered motor wires and assembled connectors
 - Hot glue to prevent short circuit
- Control code finished
 - Able to turn quadcopter on and off
 - Able to produce correct PWM values according to specific movement
- IMU calibrated
 - Sensor values are all zero when place on table



Week 6 To do's

Likai: Read Control Code so that will be able to help with debugging afterward

Kevin: iOS remote control and PCB waterproof coating

Jerry: 1. Test motors

2. Begin Testing Process - Hovering

Challenges & Thoughts

- IMU Drift
- Use hot glue gun for waterproofing?
 - Can protect connections from water damage(such as soldered wires, motor connectors)
- Use yaw rate or yaw in PID process? (Not primary concern)