Weekly report

1. **My *Goals* from last week**

* Testing Piksi RTK GPS system, and hardware synced it with the pixhawk.
* Work with Raspberry Pi, install Raspbian and OpenCV.
* Research online about interfacing R Pi and Pixhawk for visual servo control

**My *Accomplishments* this week**

* Tested the Piksi once again, I could obtain an RTK float and RTK fix. I have contacted the support team regarding piksi integration and improvements in performance. I have attached the piksi on a quadcopter, doing certain initial tests. I can get the quad to fly using the piksi and note its accuracy.
* I worked on the Raspberry Pi-3 installed the necessary software and finally got Open CV.
* I have got certain ideas and links on how to proceed with interfacing the R Pi and pixhawk for visual servo control.

1. **My *Goals* for next week**

* Get to run a simple open CV program that detect a moving object.
* Try interfacing pixhawk and R Pi.
* Give you a preliminary document of my thesis.
  1. Meeting with Dr. Becker on Friday 11 A.M.

1. **What I need Dr. Becker to do:**

I looked at the R Pi compatible camera. I mean we can use a USB camera too. I feel it is pretty cool. I think it would be a nice fit for this project.

<https://www.raspberrypi.org/products/camera-module-v2/>