

Date: June 14, 2006

Student Name: Jeremy Greene

TAs : Adam Barnet

William Otto Goethals

Instructors: A. A Arroyo

E. M. Schwartz

**University of Florida
Department of Electrical and Computer Engineering
EEL 5666 Intelligent Machines Design Laboratory**

Weekly Report 4 (June 15, 2006)

I have been trying to get my Maverick board to communicate with my CMUCam. After many hours of trying I am still unsuccessful. I really need to get this working before I start something else, but I'm running out of ideas. The camera works with my laptop with out any problems. I also connected the Maverick up to an oscilloscope to observe it's output signal. The signal looks correct.

I've also determined that I will need to redesign my robots physical design for two reasons. The first reason is because I'm currently unable to mount a steady arm to hold the camera. The second is because I'll need a square top for the ball to move on instead of a circular one. This is because the camera's view is going to be rectangular and if I were to use a circular table my camera would see the floor in the corner sections. This is a problem because the floor could be the same color as the ball.

I also have a website:

<http://plaza.ufl.edu/greenee/>