

# BlueStamp Engineering

## Build Plan

**Name:** Aidan Y

**Location:** Palo Alto

**Instructor:** Leah Feuerman

**Starter Project:** #4, Simon Says Game

**Main Project:** #126, 360 degree camera with Raspberry Pi

<http://www.instructables.com/id/Uber-Cheap-360-Video-Camera/>

### Major Steps to complete the project:

1. Materials Acquisition and Inventory
  - a. Do inventory of all components with instructor
2. Prepare/setup the Raspberry Pi (you will need: power cable, mouse and keyboard, monitor, and Micro-SD card (raspberry Pi camera too) ***This is a milestone. Save all design files, record a video, and post to the website.***
3. Install SimpleCV
4. Trim Kogeto Dot and fit on camera (either through cardboard or 3D printing) ***This is a milestone. Save all design files, record a video, and post to the website.***
5. Record video and make sure it works
6. Dewarp video
7. View video on either GoPro VR Viewer or Youtube. ***This is a milestone. Save all design files, record a video, and post to the website.***
8. Create full documentation, write a blog post describing the system, and post everything on your webpage.
9. Add USB Microphone, KMASHI USB Battery Pack, USB Wireless Keyboard
10. Switch Camera with NoIR Camera for dark environments
11. Refocus Camera Lenses