## Overview

This program has two software parts: a python script to be run on a laptop and arduino code for an arduino. The python script does motion detection with a webcam, and the arduino code points something at whatever is moving. They use serial communication over a usb-a to usb-b cable.

## Materials

For hardware, it needs a laptop, an arduino, two servos, and a laser pointer or something similarly pointy.

For software, it needs python3 on the laptop with the following modules:

* opencv-python
* pandas
* pyserial
* time

The laptop also needs the Arduino IDE

## Setup

The servos are set up with one on top of the other with their axes at a 90 degree angle from one another to allow horizontal and vertical movement of the laser pointer.