

FOR SOUND PLAYBACK:

```
sudo apt-get install python-vlc
```

```
import vlc
```

```
sudo apt-get --purge --reinstall install pulseaudio #gets rid of errors when running the player. Sound worked either way!
```

```
pip3 install --upgrade watson-developer-cloud
```

CAMERA AND QR STUFF

```
pip3 install pyzbar
```

```
sudo pip3 install opencv-python #failed without 'sudo'
```

```
sudo apt-get install libcbblas-dev
```

```
sudo apt-get install libhdf5-dev
```

```
sudo apt-get install libhdf5-serial-dev
```

```
sudo apt-get install libatlas-base-dev
```

```
sudo apt-get install libjasper-dev
```

ENCRYPTION AND DECRYPTION

```
pip3 install cryptography
```

```
sudo apt-get install libqtgui4
```

```
sudo apt-get install libqt4-test
```

WOLFRAMALPHA STUFF

```
pip3 install wolframalpha
```

CLIENT USAGE: `python3 client.py -ip [ip address] -p [port number] -s [size]`

SERVER USAGE: `python3 server.py -p [port number] -s [size]`