Libraries Needed:

Apa102 driver:

> This will allow you to easily download the subsequent library. To instal Python 3, go to this [link](#) and follow the instructions through step #3 or just copy and paste the following commands into your device's terminal:

```
sudo apt-get update

sudo apt-get upgrade

sudo apt-get install python3 python3-dev python3-pip

sudo pip3 install apa102-pi
```

Beautiful Soup 4:

> This is a Python library for pulling data from HTML and XML files. To download this library, follow the instructions on this [link](#) or enter the following commands into your device's terminal:

```
apt-get install python-bs4

easy_install beautifulsoup4

pip install beautifulsoup4
```