Installing PyGame

Windows:

- **Download and install Python 3. x** Get the latest stable release. Don’t go for the alpha or beta releases. It’s usually best to *install for all users*, if you have the privileges to do so. Also, setting the PATH variable in Windows is a good idea. Also, be sure to *install pip and set environment variables*. (As of March 22, 2019 the latest release is 3.7.2)
- Open a command prompt as administrator. Search for `cmd`, right click and *Run as administrator*.
- Navigate (using `cd`) to where Python is installed on your computer. For example “C:\Program Files\Python37”, or “C:\Users\username\AppData\Local\Python\Python37-32”.
- Check the version of python to make sure it is Python 3 `[python --version]`
- If you get an error saying *’python’ is not recognized as an internal or external command* try using `[py --version]` instead of `[python]` for each of the following commands. If you get a similar error after trying `[py --version]` you need to reinstall python 3 making sure to select the “Environment Variables” option under the installer options.
- Update the pip installer `[python -m pip install --upgrade pip]`
- If you get an error saying *No module named pip*, then you need to re install python 3 making sure to install the pip module.
- Install PyGame with `[python -m pip install pygame]`
- Test by launching `[IDLE 3]` and doing an `[import pygame]`. If that doesn’t produce an error, you should be good to go.

OS X:

- Install `[brew]`, using **these instructions**. This is a package manager. It is capable of installing all sorts of programs.
- If you need Python 3 installed: `[brew install python3]`
- Link applications to Python3: `[brew linkapps python3]`
- Install Pygame Dependencies: `[brew install --with-python3 sdl sdl_image sdl_mixer sdl_ttf portmidi]`
- Install Pygame: `[pip3 install pygame]`

Ubuntu 16.04:

- `sudo apt-get install python3-pip`
- `sudo pip3 install pygame`