## 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. (As of Nov 2, 2017 the latest release is 3.6.3)
- Open a command prompt as administrator. Search for `cmd`, right click and **Run as administrator**.
- Check the version of python to make sure it is Python 3. [python --version](python --version)
- If you get an error saying *‘python’ is not recognized as an internal or external command* try using `py` 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](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](python -m pip install pygame)
- Test by launching [IDLE 3](IDLE 3) and doing an `import pygame`. If that doesn’t produce an error, you should be good to go.

### OS X:

- Install [brew](https://brew.sh), 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](brew install python3)
- Link applications to Python3: [brew linkapps python3](brew linkapps python3)
- Install Pygame Dependencies: [brew install --with-python3 sdl sdl_image sdl_mixer sdl_ttf portmidi](brew install --with-python3 sdl sdl_image sdl_mixer sdl_ttf portmidi)
- Install Pygame: [pip3 install pygame](pip3 install pygame)

### Ubuntu 16.04:

- [sudo apt-get install python3-pip](sudo apt-get install python3-pip)
- [sudo pip3 install pygame](sudo pip3 install pygame)