

## WHAT CAN I DO WITH THIS INFORMATION?

- Get used to working with libraries you may not be familiar with
- Creative Computing
- Make your own audio/data visualisers with
   Python Libraries, or animations in After Effects,
   Cinema 4D, Blender, etc...
- Basic simulation
- Absolutely nothing

- Game Developer
  - Rockstar Games (£53,000)
  - Bossa Studios (£42,000)
- Platform Engineer
  - Tesco (£46-£48,000)
  - Nominet (£68-£88,000)
- Computer Graphics Designer
  - The British Army (£53-£56,000)
  - Hertz (£51-£56,000)
- Sell your Game (£0 £ Infinity)



## ADVICE FROM <u>ACTUAL</u> GAME DEVELOPERS

- I hadn't figured out what lists were yet, all code was in one file, there wasn't a shred of object orientated programming...but by December, I had my first proper game DaFluffyPotato
- You can be bad at programming and make a brilliant game that changes the entire industry
   Jason "Thor" Hall, Pirate Software
- Publish games quickly and get real players' feedback & Don't reinvent the wheel, choose simple tools that get games made – James Hahn, Fancade

























MONOGAME

LWJGL













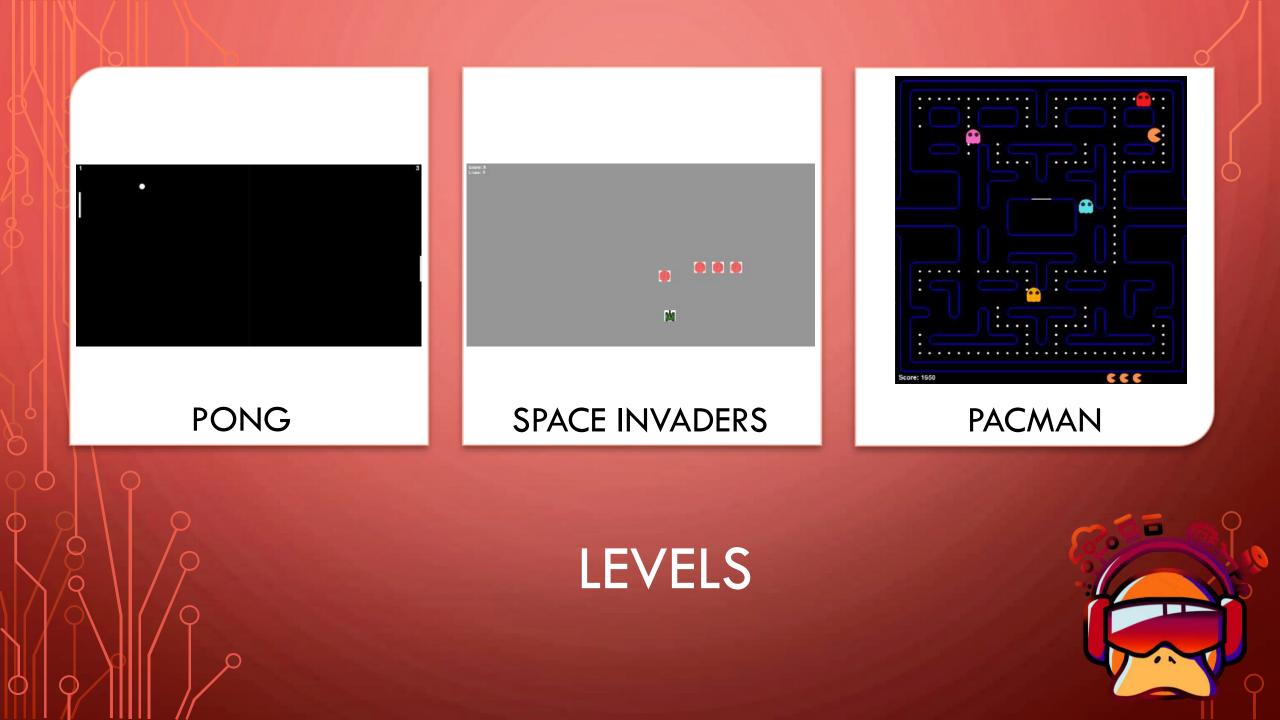
# Setup

Data
Logic
Game/Screen Settings

# Loop

Drawing to Screen
Updating
Control Inputs





# WHAT ALL OF YOU WILL NEED TO DO









COLLISION



SOUND



SCORE



GAME OVER

# WHAT SOME OF YOU WILL NEED TO DO









CHECK PIP



**INSTALL PYGAME** 



## **COMING UP!**

**SATURDAY: CAMPUS TOUR SOCIAL** 

NEXT WEEK: INTRO TO DOCKER

https://github.com/LUCompSoc /cssPONG



https://github.com/LUCompSoc/ /cssSPACEINVADERS



https://github.com/LUCompSoc /cssPACMAN

## Install Python

- Go to https://www.python.org/downloads/
- Follow instructions
- I'm using Python 3.12.4

#### Make sure Pip is installed from command line

- pip --version
- curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py
- python get-pip.py
- pip --version

## Install Pygame from command line

pip install pygame

