

RETROPIE

Retro Innovation

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Retro Pie

The mission is to learn about the origin of video games and how it has evolved

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Do Video Games
shape our lives?

With the anticipated release of the Nintendo Switch in the upcoming months, the next generation has yet to experience the origins of video games starting with Atari's PONG in 1973. Each year, game consoles consume more processing power which is apparent in virtual reality games. The Raspberry Pi, a compact computer, is an ideal system to run an emulator for retro video games because it is powerful and affordable for gamers traveling back in time. In order to understand current game systems, we must investigate where it all started.

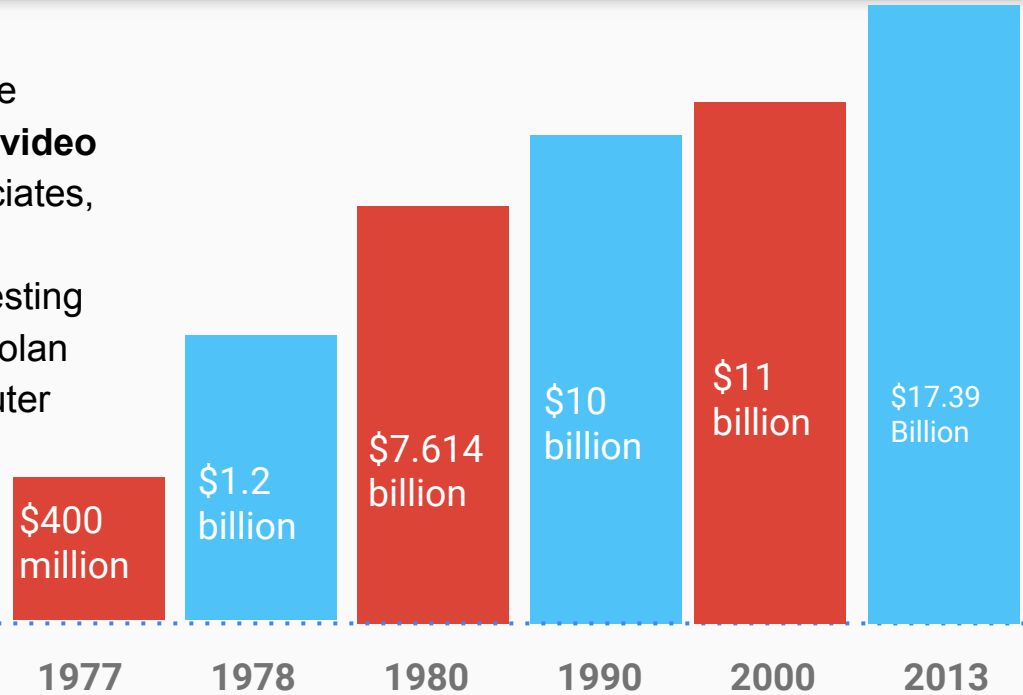
RetroPie



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Origin & Market Demand of Video Game Industry

Video games have been around since the early 1970s. The first commercial arcade **video game**, Computer Space by Nutting Associates, was introduced in 1971. In 1972, Atari introduced Pong to the arcades. An interesting item to note is that Atari was formed by Nolan Bushnell, the man who developed Computer Space.



Top Selling Game Consoles

2000 - Sony Playstation 2, >155 million

2004- Nintendo DS, 154 million

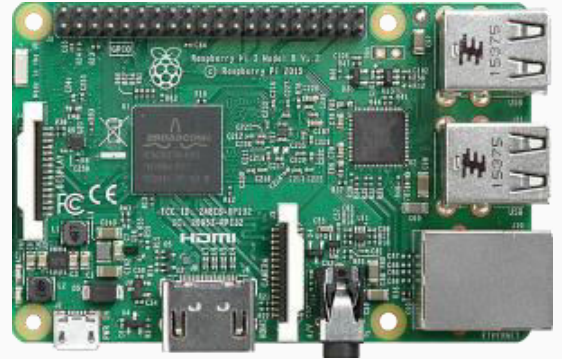
1989-1998 Gameboy/Gameboy Color, 119 million

1994 - Playstation, 103 million

2006 - Wii, 102 million

2005 - Xbox 360, 84 million

Retro Pie Requirements



Some Game Consoles for the Pi

1983



1989



1988



1990



How to install RetroPi

"Nintendo, SEGA, ATARI, and more all in a Pi?"

Install Raspian

- Install the Raspberry Pi image to the microSD
- Update the Pi
- *sudo apt-get update
- *sudo apt-get upgrade

Install RetroPie

Setup RetroPie script:

```
sudo apt-get install git lsb-release
```

To download the latest retroPie script:

```
cd  
git clone --depth=1 https://github.com/RetroPie/RetroPie-Setup.git
```

Execute script:

```
cd RetroPie-Setup  
chmod +x retroPie_setup.sh  
sudo ./retroPie_setup.sh
```



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References

<https://retropie.org.uk/>
[wikipedia.org](https://en.wikipedia.org/)