COMP110: Principles of Computing

1: Computing History and Profession

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Admin and Etiquette

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Teams Meeting Etiquette

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- If you don't feel comfortable talking in the meeting, please use the **chat**

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- If you disrupt the meeting in any way, you will be removed. You will also be reported to the Course Leader and Director of the Games Academy

Attendance

Please mark yourself as present on the attendance system!

Induction Materials

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  - Worksheet 1 brief and video

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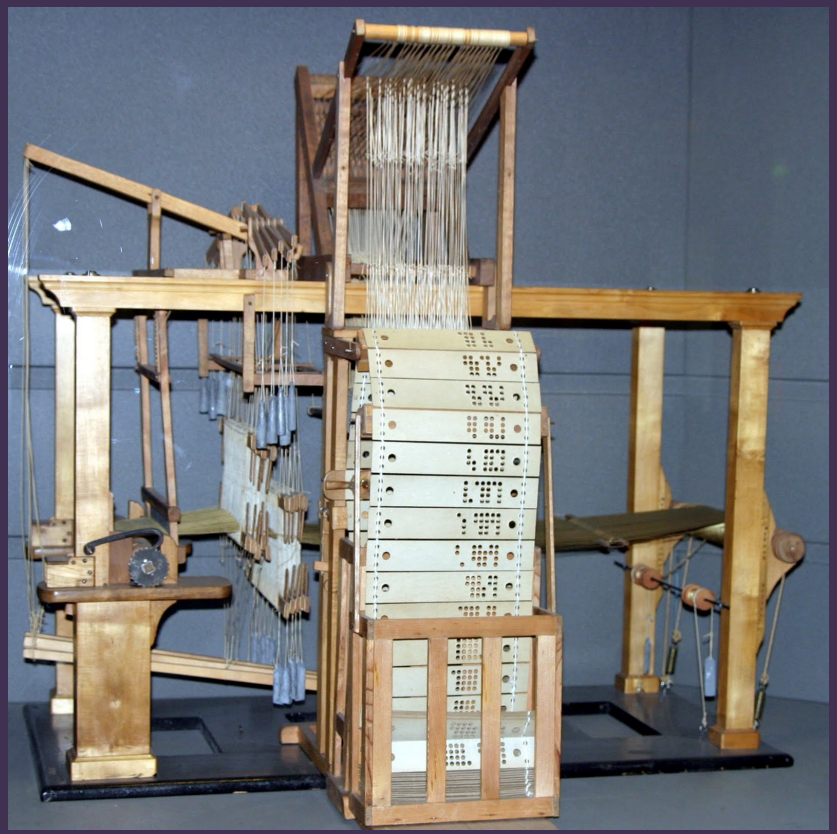
What was the first computer?

Antikythera Mechanism ($\sim$150 BC)

First mechanical computer?

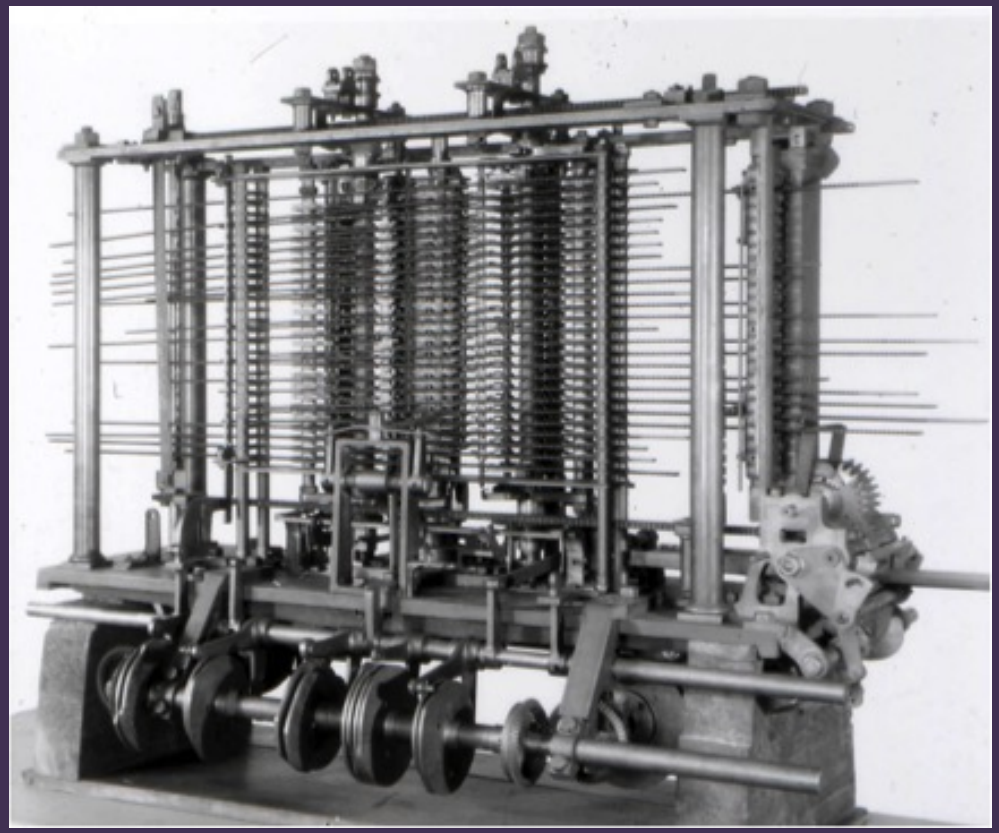
Jacquard Loom (1804)

First programmable machine in modern age



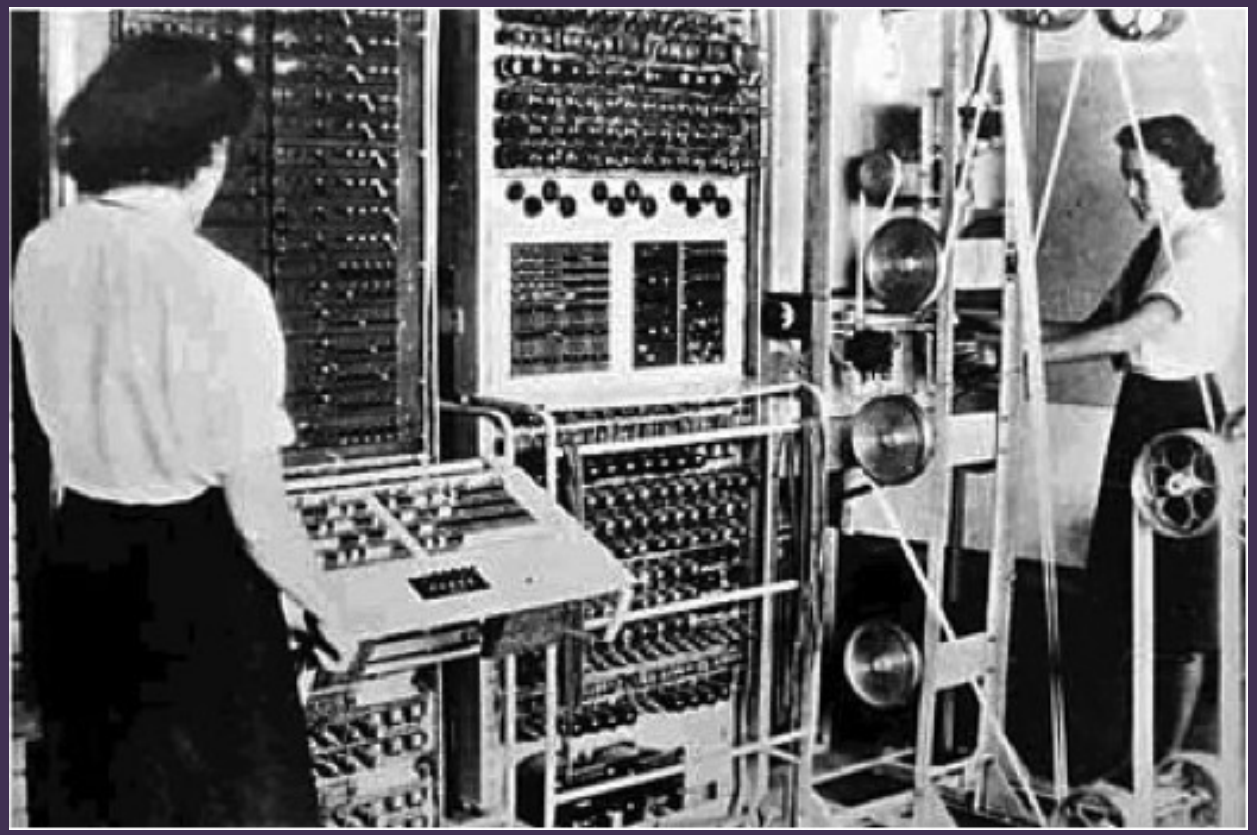
Babbage's Difference and Analytical Engines (1837)

First mechanical computer in modern age



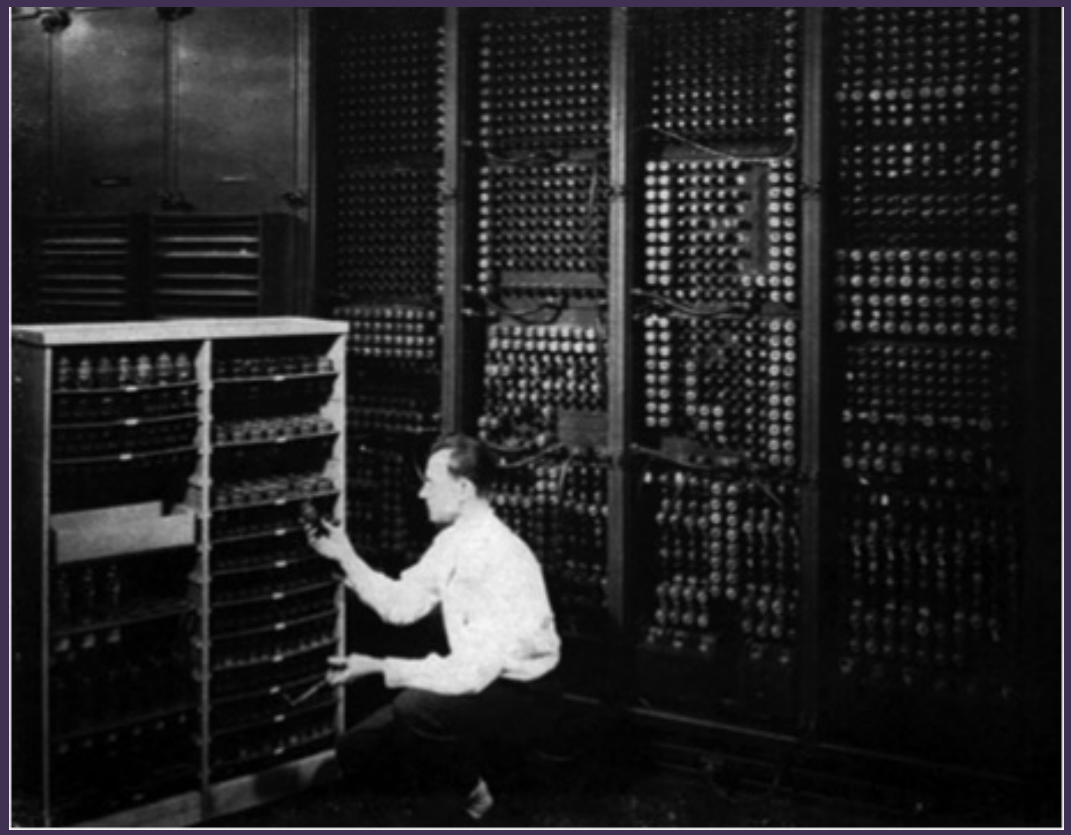
Colossus (1943)

First programmable electronic computer



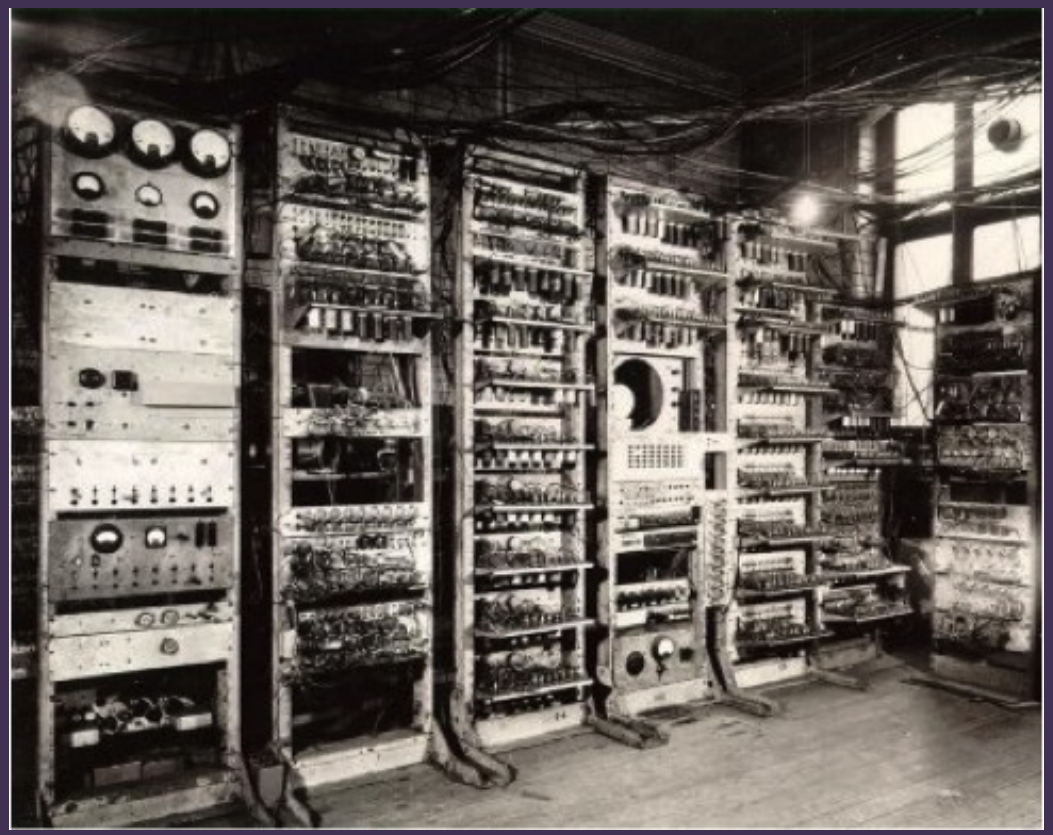
ENIAC (1946)

First general-purpose computer



Manchester Small-Scale Experimental Machine (1948)

First stored program computer

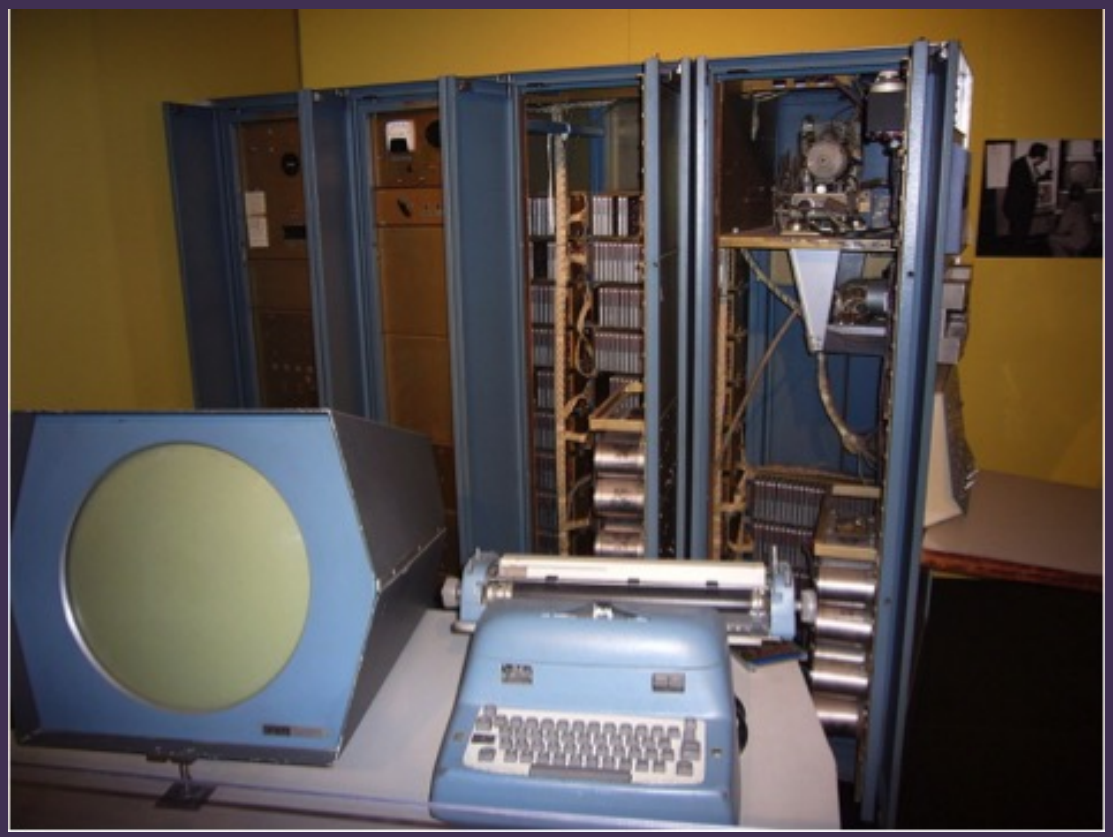


TRADIC (1949)

First transistor computer

PDP-1 (1959)

Influenced "hacker culture"



Datapoint 2200 (1970)

First microcomputer

Commodore VIC 20 (1980)

First computer to sell 1 million units

IBM Personal Computer Model 5150 (1981)

Precursor to the modern PC

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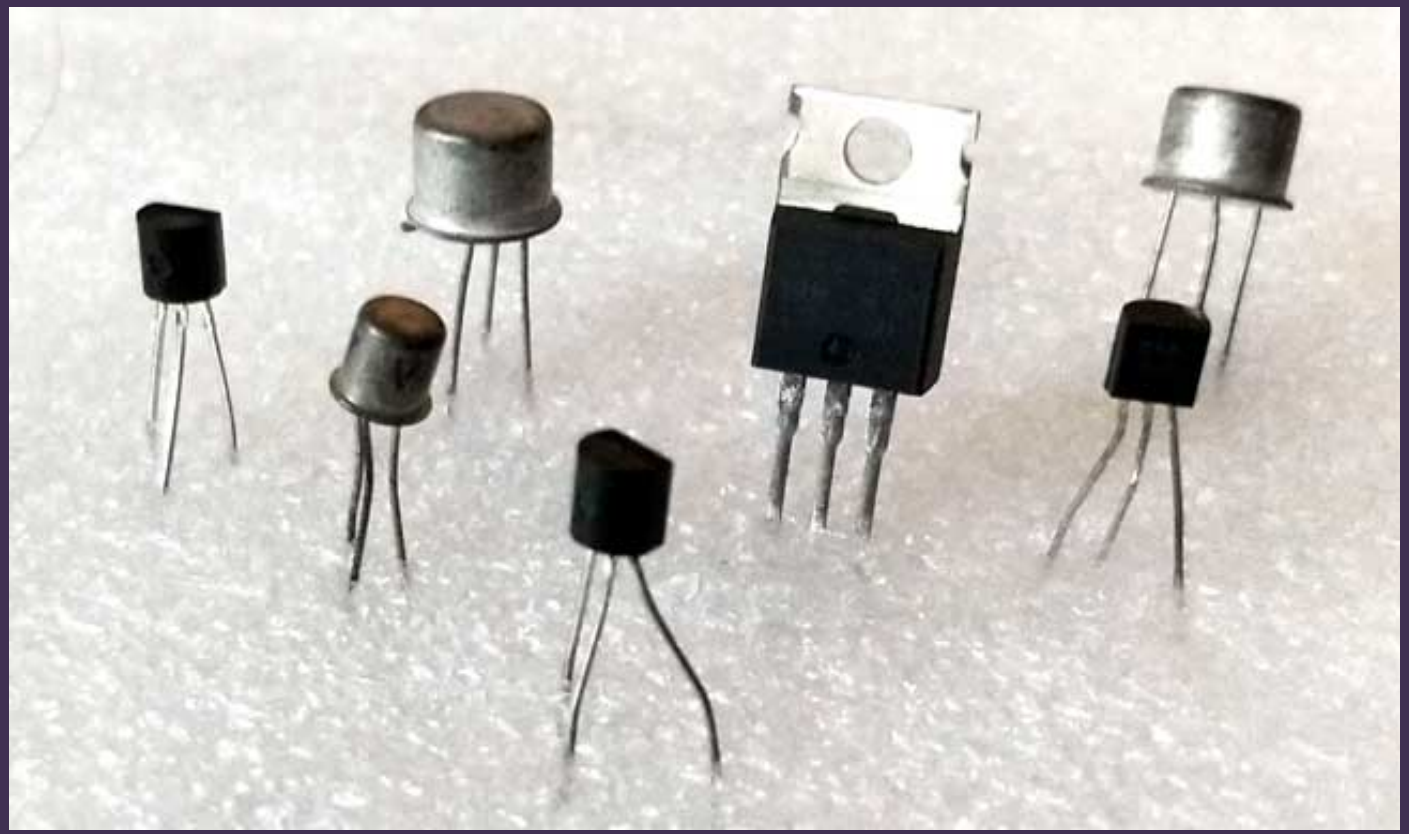
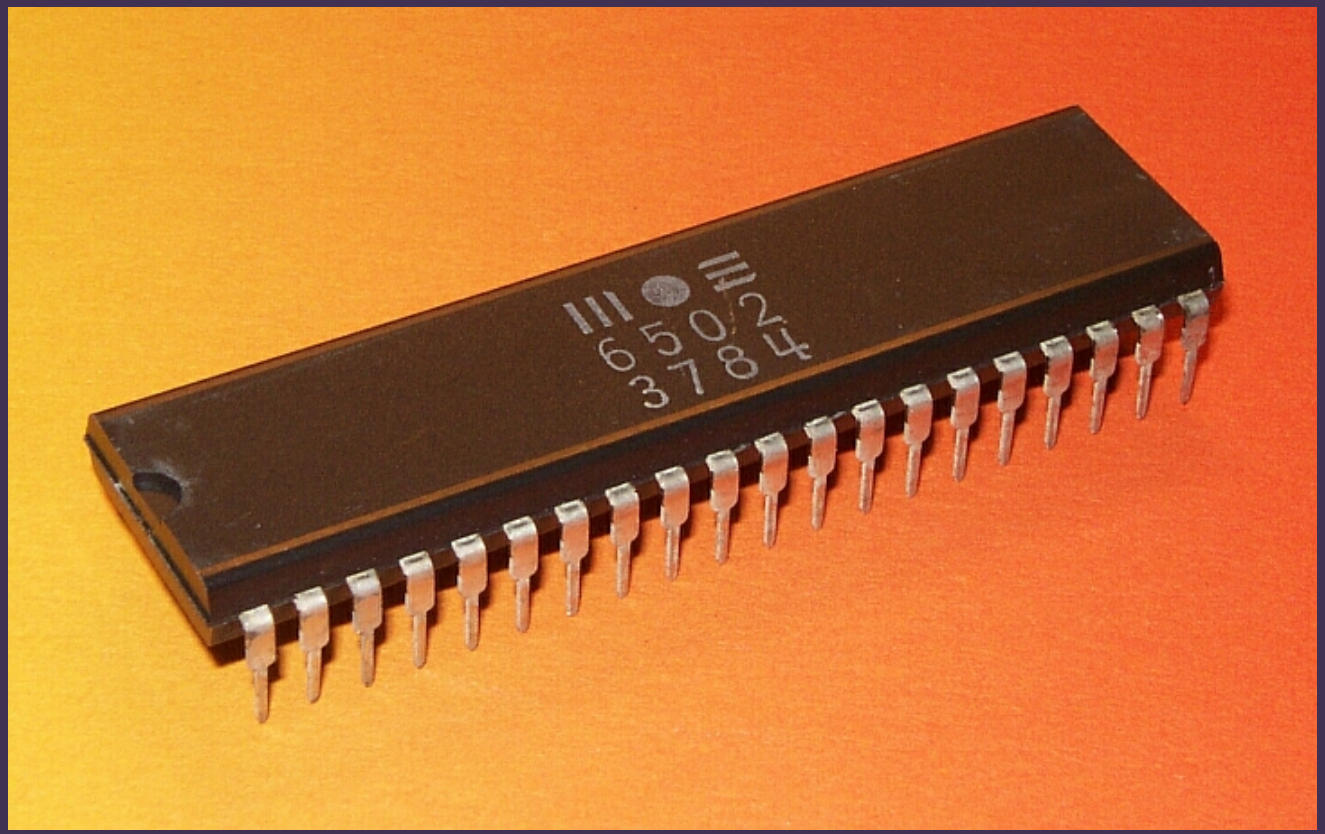
Electronic computer technologies

Vacuum tubes (valves)

Transistors



Integrated circuits (ICs)



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2018	Apple A12	6.9 billion transistors

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What was the first computer game?

Cathode Ray Tube Amusement Device (1948)

First interactive electronic game

Chess AI on the Ferranti Mark I (1951)

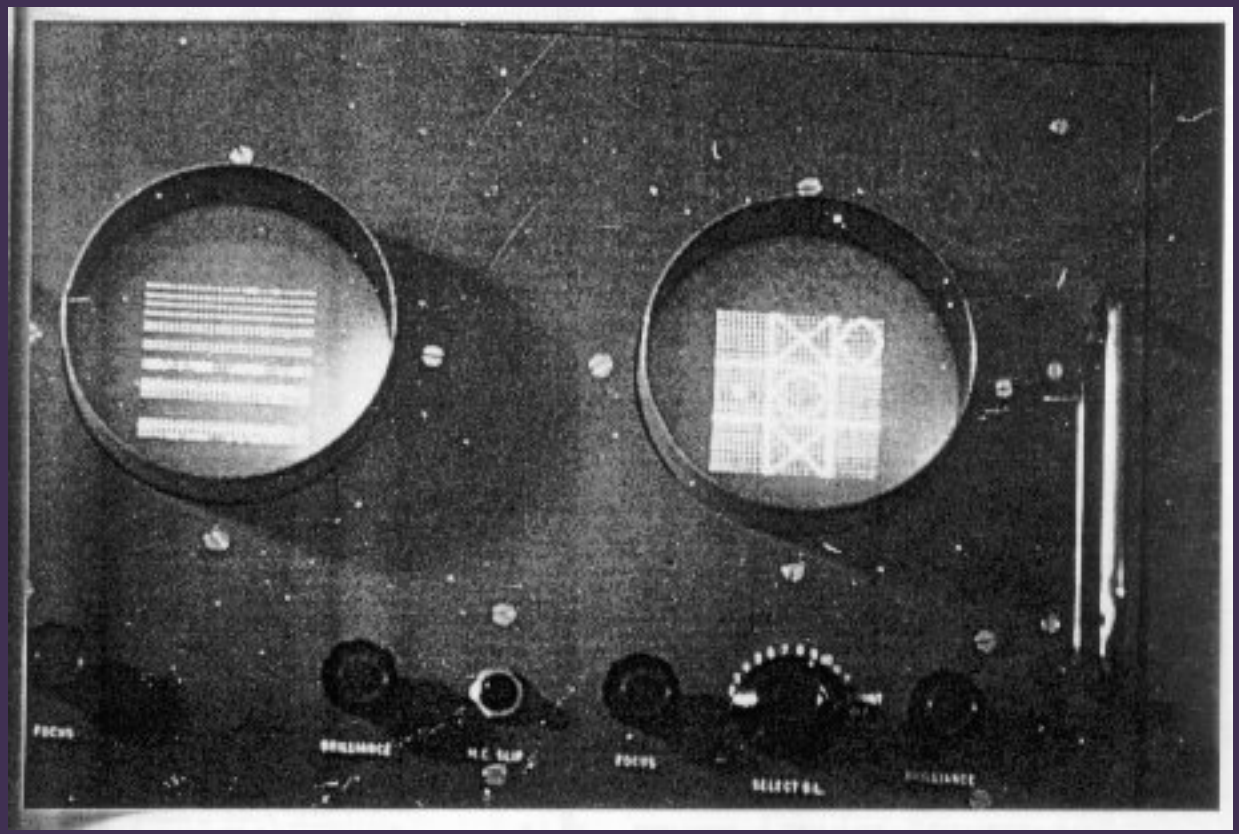
First chess program

Bertie the Brain (1950)

First computer game with a visual display

OXO (1951)

First game with visuals on a general-purpose computer



Tennis for Two (1959)

First to be created purely for entertainment

SpaceWar! (1962)

First widely available game, inspired first arcade games

Pong (1972)

First commercially successful game

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What was the first games console?

The Brown Box (1967)

First prototype console

Magnavox Odyssey (1972)

First commercial console

Game console timeline

http://www.onlineeducation.net/videogame_timeline/video-game-timeline.jpg

(A little out of date!)

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- Will the important skills be the same or different?