



COMP110: Principles of Computing
**1: Computing History and
Profession**



Admin and Etiquette



Attendance

Please mark yourself as present on the attendance system!

Teams Etiquette

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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

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 - ▶ Worksheet 1 brief and video

What was the first computer?



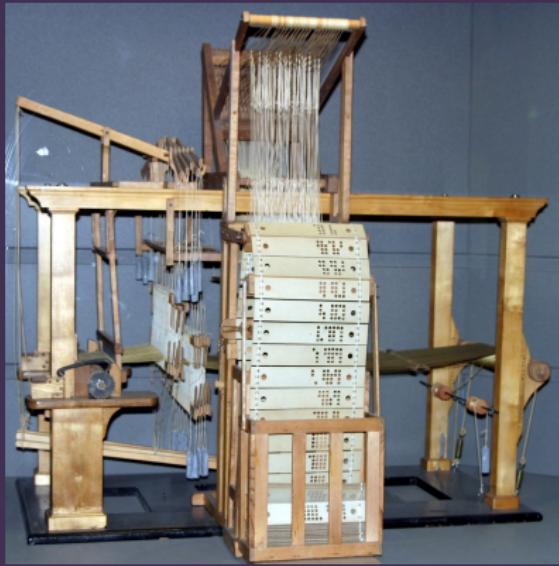
Antikythera Mechanism (~150 BC)

First mechanical computer?



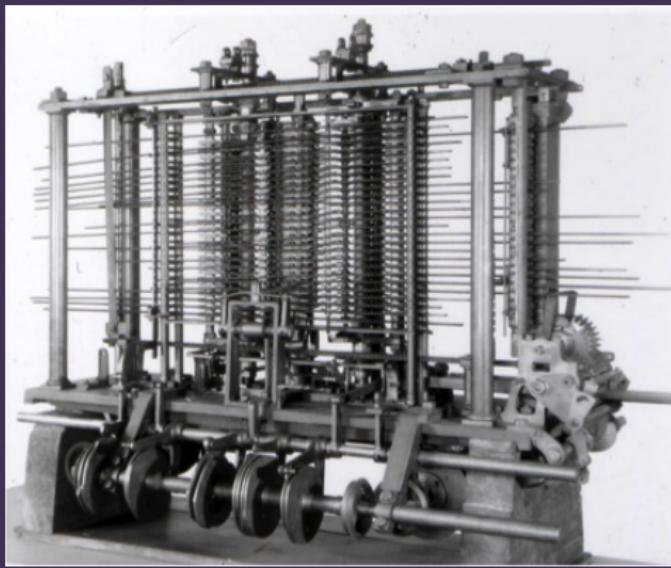
Jacquard Loom (1804)

First programmable machine in modern age



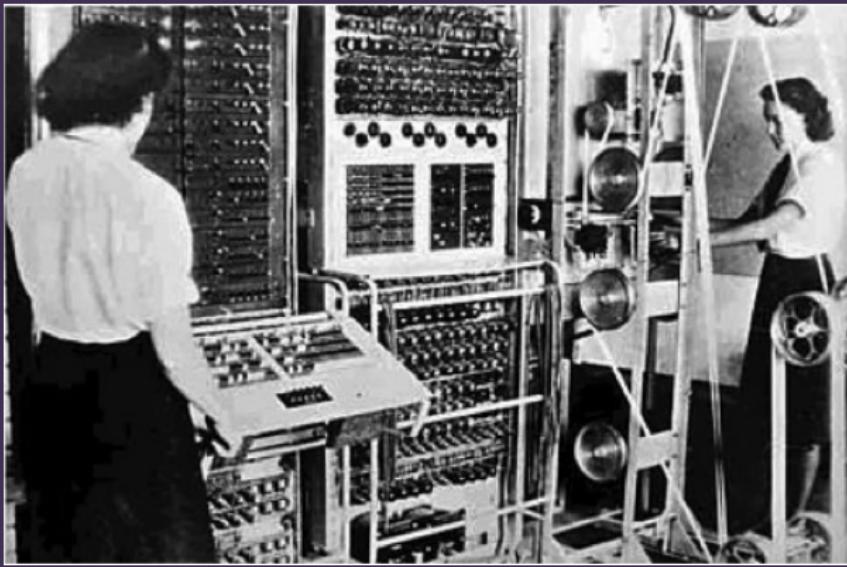
Babbage's Difference and Analytical Engines (1837)

First mechanical computer in modern age



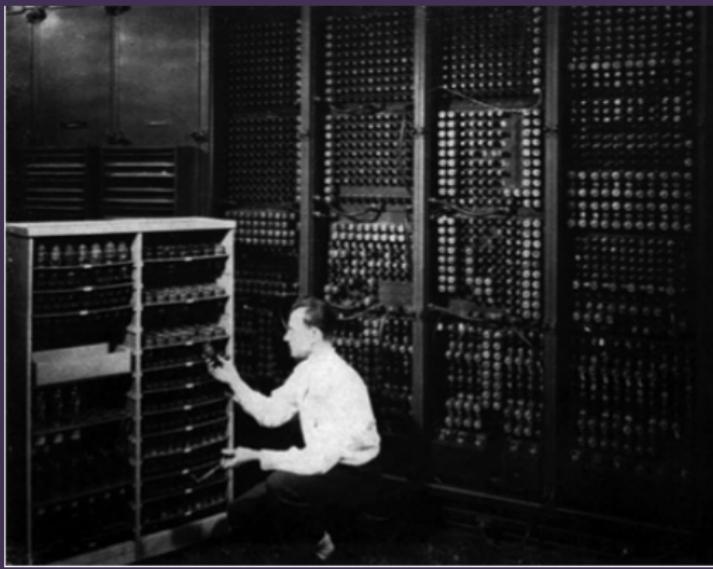
Colossus (1943)

First programmable electronic computer



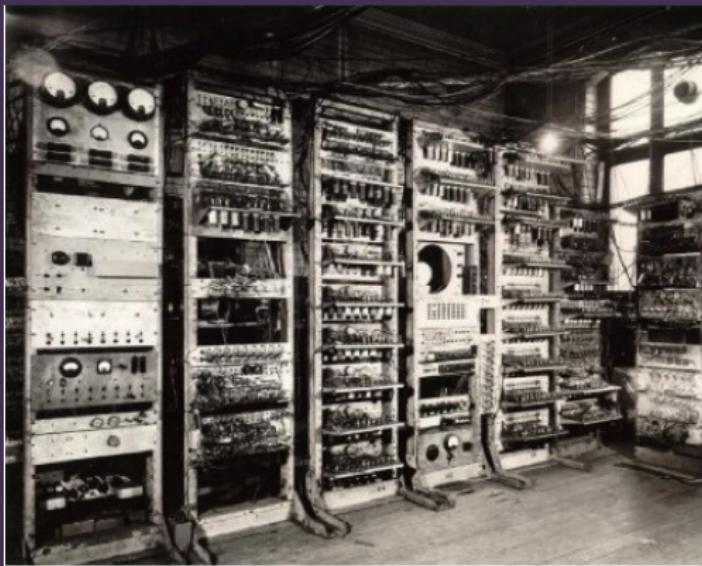
ENIAC (1946)

First general-purpose computer



Manchester Small-Scale Experimental Machine (1948)

First stored program computer



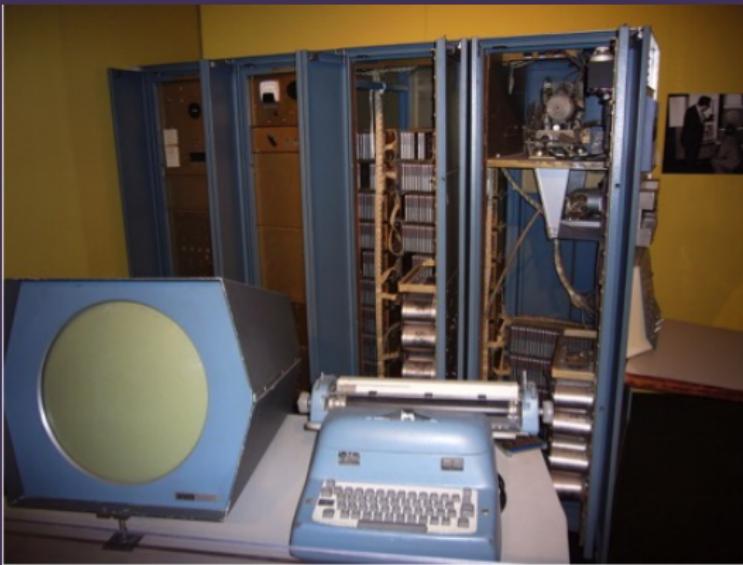
TRADIC (1949)

First transistor computer



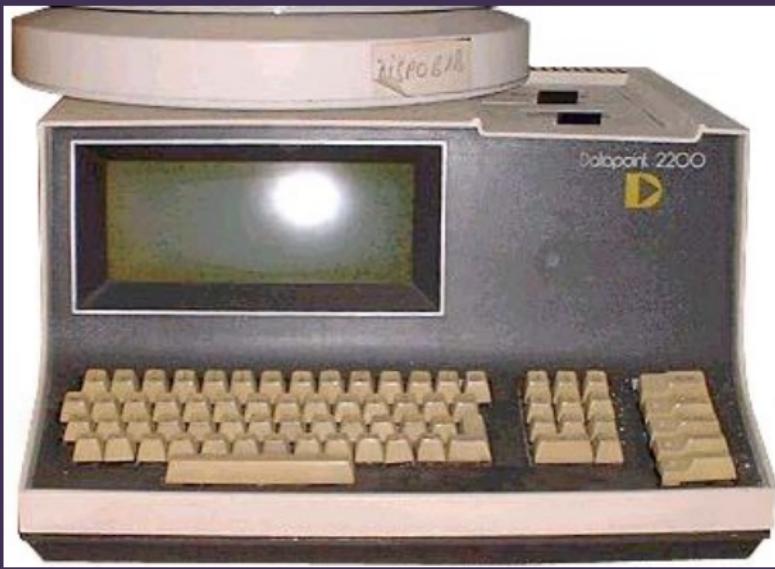
PDP-1 (1959)

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



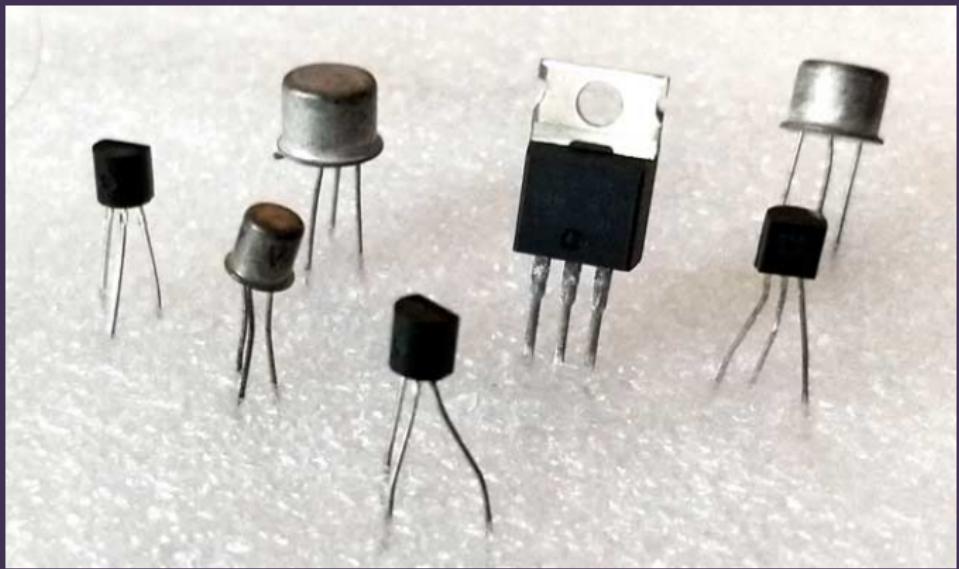
Electronic computer technologies



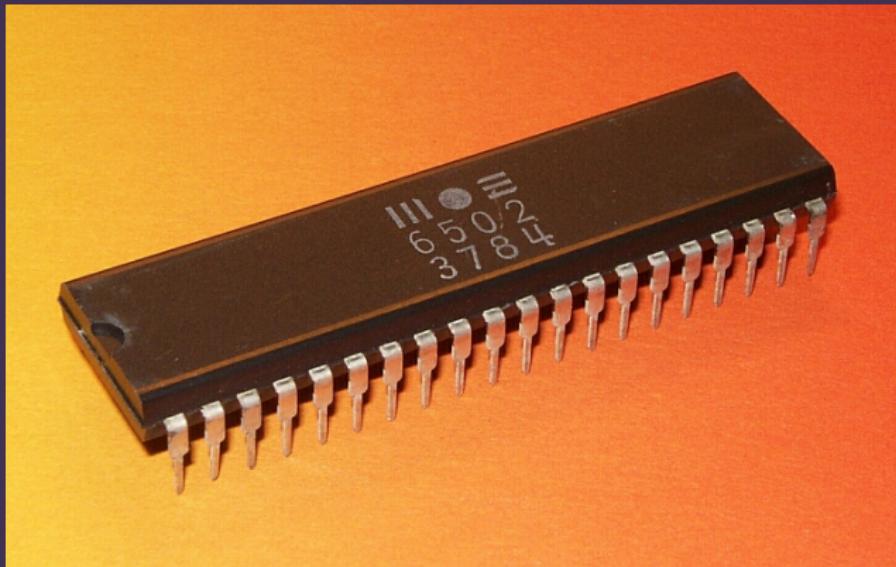
Vacuum tubes (valves)



Transistors



Integrated circuits (ICs)





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2020	Nvidia GeForce RTX 3080	28 billion transistors

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



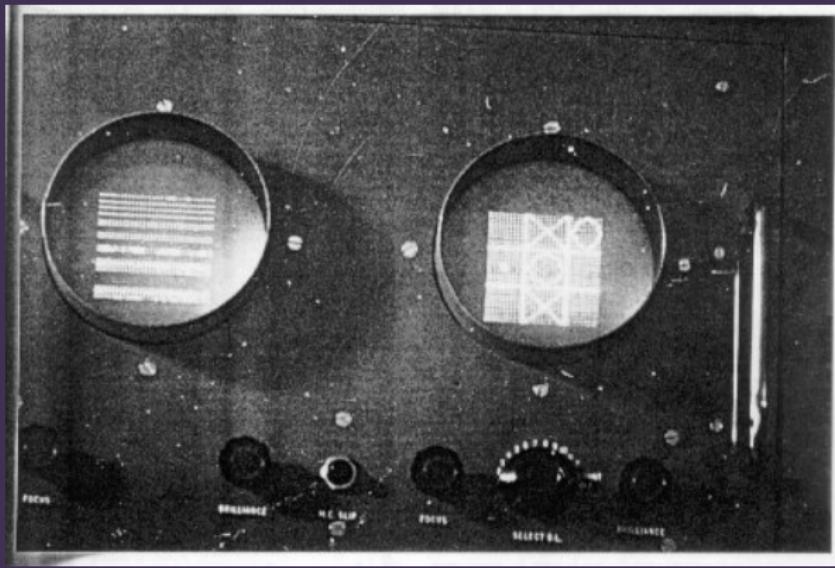
Bertie the Brain (1950)

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



What was the first games console?



The Brown Box (1967)

First prototype console



Magnavox Odyssey (1972)

First commercial console



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- ▶ There is a **forum discussion activity** on LearningSpace for you to take part in after this session

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- ▶ What careers will become more or less important, or disappear entirely?
- ▶ Will the important skills be the same or different?