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## 1930 - First Analog <br> Computer

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- Made with tube op-amps
- Calculations were done feeding in $\qquad$ analog signals and voltages
- Outputs were either on o-scopes, volt
$\qquad$ meters or chart recorders
- Hard wired - hours to set up one
$\qquad$ calculation $\qquad$

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## 1973 - Intel 8080

- 8 bit microprocessor
- 16 bit address bus (max 64K External $\qquad$ memory)
- 6000 Transistors

1975 - Altair

- Produced by MIT
- First Personal Computer
- 8080 Processor
- \$400 in kit form

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## 1979 - Intel 8088

- Similar to 8086 but uses multiplexing to create a 16 bit data bus on 8 actual lines.


## 1980 - Motorola 6800

- Intel is not the only one producing microprocessors, Motorola is also $\qquad$ producing them.



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## 1985 - Intel 80386

- 32 bit data bus
- 32 bit address bus
- 50 MHz
- 275,000 Transistors
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## ~1991 - Internet Goes Public

- The Clinton administration decides to allow private citizens on the internet backbone. Up until this point it was used mostly by researchers involved in government projects.

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