



Topics

Precursors

1940's Early Visions

1960's Visionary Demos

1970's Personal Computing

1980's Graphical User Interfaces

Mobile Computing

Precursors		



Astrolabe Video Tom Vujec, TED 2009 http://www.ted.com/talks/lang/eng/ tom_wujec_demos_the_13th_century_astrolabe.html Segments starting at: 01:20, 04:30

















Harvard Mark I (1944)





Hardware

Physical switches (before microprocessors) Paper tape

Uses

Ballistics calculations Simple arithmetic & fixed calculations (before programs) 3 seconds to multiply







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Ivan Sutherland (1938 -)

Established Computer Graphics Turing award 1988 Now a fellow at Sun and until recently a visiting Professor at Berkeley

























Personal Computers









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1) Xerox Star User Interface: An Overview





