

A brief history of computer science: from the first computers to semantic web

The calculating channel	The data processing channel	The communication & informational channel	The « human » channel (IHM & IA)
<p>Analytical engine (C. Babbage, UK, 1833)</p> <p>ENIAC (W. Eckert, J.-W. Mauchly, US, 1944)</p> <p>Cray-1 (1976)</p>	<p>Tabulating machine (H. Hollerith, US, 1890)</p> <p>Colossus at Bletchley Park (M. Newman, A. Turing, UK, 1943)</p>	<p>Memex (V. Bush, USA, 1945)</p> <p>Hypertext (B. Nelson, US, 1965)</p> <p>Computer as a Communication Device (J.C.R. Licklider, R. Taylor, E. Herbert, US, 1960)</p> <p>Packet switching (D. Davies, UK; P. Baran, US, 1964)</p> <p>ARPANET (US, 1969)</p>	<p>Androïdes and automatons</p> <p>Computing machinery and intelligence (A. Turing, UK, 1950)</p> <p>Augmentation Research Center (D. Engelbart, US, 1960)</p> <p>Man-Computer Symbiosis (J.C.R. Licklider, US, 1960)</p>
<p>Fortran (Backus, IBM, US, 1954)</p> <p>Algol (International Committee, CH, 1950-58)</p> <p>BNF (Backus, Naur, 1960)</p> <p>SmallTalk (A. Kay, PARC, US, 1975)</p>	<p>Cobol (G. Hopper, US, 1959)</p> <p>SQL (E.F. Codd, IBM, US, 1970)</p> <p>SGML (C.F. Goldfarb, E. J. Mosher, T.I. Perterson, IBM, US, 1970)</p> <p>XML (W3C, 2001)</p> <p>RDF, OWL, etc. (W3C, 2004)</p>	<p>Hyperties (B. Schneiderman, US, 1983)</p> <p>TCP-IP (V. Cerf, PARC, US, 1978)</p> <p>HTTP – HTML (T. Berners-Lee, Cern, 1989)</p> <p>Mosaic (M. Andreessen, NCSA, US, 1993)</p>	<p>LISP (J. McCarthy, US, 1960)</p> <p>Prolog (A. Colmerauer, F, 1975)</p> <p>Frame (M. Minsky, MIT, US, from 1974)</p> <p>Ontologie (J. McCarthy, 1986)</p> <p>OKBC (V. Chaudhri & al, US, 1998)</p>

The Semantic Web