

Timeline of programming languages

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This is a record of historically important **programming languages**, by decade.

Legend

(Entry) *means a non-universal programming language*
* *means a unique language (no direct predecessor)*

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Pre-1950

Year	Name	Chief developer, company	Predecessor(s)
1943–45	Plankalkül (concept)	Konrad Zuse	*
1943–46	ENIAC coding system	John von Neumann, John Mauchly, J. Presper Eckert, Herman Goldstine after Alan Turing	*
1946	ENIAC Short Code	Richard Clippinger, John von Neumann after Alan Turing	ENIAC coding system
1946	Von Neumann and Goldstine graphing system (Notation)	John von Neumann and Herman Goldstine	ENIAC coding system
1947	ARC Assembly	Kathleen Booth ^{[1][2]}	ENIAC coding system
1948	CPC Coding scheme	Howard H. Aiken	Analytical Engine order code
1948	Curry notation system	Haskell Curry	ENIAC coding system
1948	Plankalkül (concept published)	Konrad Zuse	*
1949	Short Code	John Mauchly and William F. Schmitt	ENIAC Short Code
Year	Name	Chief developer, company	Predecessor(s)

1950s

Year	Name	Chief developer, company	Predecessor(s)
1950	Short Code	William F Schmidt, Albert B. Tonik, ^[3] J.R. Logan	Brief Code
1950	Birkbeck Assembler	Kathleen Booth	ARC
1951	Superplan	Heinz Rutishauser	Plankalkül
1951	ALGAE	Edward A Voorhees and Karl Balke	*
1951	Intermediate Programming Language	Arthur Burks	Short Code
1951	Regional Assembly Language	Maurice Wilkes	EDSAC
1951	Boehm unnamed coding system	Corrado Böhm	CPC Coding scheme
1951	Klammerausdrücke	Konrad Zuse	Plankalkül
1951	OMNIBAC Symbolic Assembler	Charles Katz	Short Code
1951	Stanislaus (Notation)	Fritz Bauer	*
1951	Whirlwind assembler	Charles Adams and Jack Gilmore at MIT Project Whirlwind	EDSAC

1951	Rochester assembler	Nat Rochester	EDSAC
1951	Sort Merge Generator	Betty Holberton	*
1952	A-0	Grace Hopper	Short Code
1952	Glennie Autocode	Alick Glennie after Alan Turing	CPC Coding scheme
1952	Editing Generator	Milly Koss	SORT/MERGE
1952	COMPOOL	RAND/SDC	*
1953	Speedcoding	John W. Backus	*
1953	READ/PRINT	Don Harroff, James Fishman, George Ryckman	*
1954	Laning and Zierler system	Laning, Zierler, Adams at MIT Project Whirlwind	*
1954	Mark I Autocode	Tony Brooker	Glennie Autocode
1954–55	Fortran (concept)	Team led by John W. Backus at IBM	Speedcoding
1954	ARITH-MATIC	Team led by Grace Hopper at UNIVAC	A-0
1954	MATH-MATIC	Team led by Charles Katz	A-0
1954	MATRIX MATH	H G Kahrimanian	*
1954	IPL I (concept)	Allen Newell, Cliff Shaw, Herbert A. Simon	*
1955	FLOW-MATIC	Team led by Grace Hopper at UNIVAC	A-0
1955	BACAIC	M. Grems and R. Porter	
1955	PACT I	SHARE	FORTTRAN, A-2
1955	Freiburger Code ^{[4][5]}	University of Freiburg	N/A
1955–56	Sequentielle Formelübersetzung	Fritz Bauer and Karl Samelson	Boehm
1955–56	IT	Team led by Alan Perlis	Laning and Zierler
1955	PRINT	IBM	
1958	IPL II (implementation)	Allen Newell, Cliff Shaw, Herbert A. Simon	IPL I
1956–58	LISP (concept)	John McCarthy	IPL
1957	COMTRAN	Bob Bemmer	FLOW-MATIC
1957	GEORGE	Charles Leonard Hamblin	*
1957	Fortran I (implementation)	John W. Backus at IBM	FORTTRAN
1957–58	UNICODE	Remington Rand UNIVAC	MATH-MATIC
1957	COMIT (concept)		*
1958	Fortran II	Team led by John W. Backus at IBM	FORTTRAN I

1958	ALGOL 58 (IAL)	ACM/GAMM	FORTRAN, IT, Sequentielle Formelübersetzung
1958	IPL V	Allen Newell, Cliff Shaw, Herbert A. Simon	IPL II
1959	FACT	Fletcher R. Jones, Roy Nutt, Robert L. Patrick	*
1959	COBOL (concept)	The CODASYL Committee	FLOW-MATIC, COMTRAN, FACT
1959	JOVIAL	Jules Schwartz at SDC	ALGOL 58
1959	LISP (implementation)	John McCarthy	IPL
1959	MAD – Michigan Algorithm Decoder	Bruce Arden, Bernard Galler, and Robert M. Graham	ALGOL 58
1959	TRAC (concept)	Calvin Mooers	
Year	Name	Chief developer, company	Predecessor(s)

1960s

Year	Name	Chief developer, company	Predecessor(s)
1960	ALGOL 60		ALGOL 58
1960	COBOL 61 (implementation)	The CODASYL Committee	FLOW-MATIC, COMTRAN
1961	COMIT (implementation)		*
1962	FORTRAN IV	IBM	FORTRAN II
1962	APL (concept)	Kenneth E. Iverson	*
1962	Simula (concept)		ALGOL 60
1962	SNOBOL	Ralph Griswold, <i>et al.</i>	FORTRAN II, COMIT
1963	CPL	Barron, Christopher Strachey, <i>et al.</i>	ALGOL 60
1963	SNOBOL3	Griswold, <i>et al.</i>	SNOBOL
1963	ALGOL 68 (concept)	Adriaan van Wijngaarden, <i>et al.</i>	ALGOL 60
1963	JOSS I	Cliff Shaw, RAND	ALGOL 58
1964	MIMIC	H. E. Petersen, <i>et al.</i>	MIDAS
1964	COWSEL	Rod Burstall, Robin Popplestone	CPL, LISP
1964	PL/I (concept)	IBM	ALGOL 60, COBOL, FORTRAN
1964	BASIC	John George Kemeny and Thomas Eugene Kurtz at Dartmouth College	FORTRAN II, JOSS
1964	IBM RPG	IBM	FARGO
1964	Mark-IV	Informatics	
1964	Speakeasy-2	Stanley Cohen at Argonne National Laboratory	Speakeasy

1964	TRAC (implementation)	Calvin Mooers	
1964	P''	Corrado Böhm	*
1964?	IITRAN		
1965	RPG II	IBM	FARGO, RPG
1965	MAD/I (concept)	University of Michigan	MAD, ALGOL 60, PL/I
1965	TELCOMP	BBN	JOSS
1965	Atlas Autocode	Tony Brooker, Derrick Morris at Manchester University	Algol 60, Autocode
1966	JOSS II	Chuck Baker, RAND	JOSS I
1966	ALGOL W	Niklaus Wirth, C. A. R. Hoare	ALGOL 60
1966	FORTRAN 66		FORTRAN IV
1966	ISWIM (Concept)	Peter J. Landin	LISP
1966	CORAL66		ALGOL 60
1966	APL (implementation) ^[6]	Kenneth E. Iverson	*
1967	BCPL	Martin Richards	CPL
1967	MUMPS	Massachusetts General Hospital	FORTRAN, TELCOMP
1967	Simula 67 (implementation)	Ole-Johan Dahl, Bjørn Myhrhaug, Kristen Nygaard at Norsk Regnesentral	ALGOL 60
1967	InterLisp	D.G. Bobrow and D.L. Murphy	Lisp
1967	SNOBOL4	Ralph Griswold, <i>et al.</i>	SNOBOL3
1967	XPL	William McKeeman, <i>et al.</i> at University of California Santa Cruz, California J. J. Horning, <i>et al.</i> at Stanford University	PL/I
1967	Space Programming Language (SPL)	System Development Corporation	JOVIAL
1968	ALGOL 68 (UNESCO/IFIP standard)	Adriaan van Wijngaarden, Barry J. Mailloux, John E. L. Peck and Cornelis H. A. Koster, <i>et al.</i>	ALGOL 60
1968	POP-1	Rod Burstall, Robin Popplestone	COWSEL
1968	DIBOL-8	DEC	DIBOL
1968	Forth (concept)	Moore	
1968	LOGO	Seymour Papert	LISP
1968	MAPPER	Unisys	CRT RPS
1968	REFAL (implementation)	Valentin Turchin	*
1968	TTM (implementation)	Steven Caine and E. Kent Gordon, California Institute of Technology	GAP, GPM
1968	PILOT	John Amsden Starkweather, University of California, San Francisco	Computest

1969	PL/I (implementation)	IBM	ALGOL 60, COBOL, FORTRAN
1969	B	Ken Thompson, with contributions from Dennis Ritchie	BCPL
1969	Polymorphic Programming Language (PPL)	Thomas A. Standish at Harvard University	
1969	SETL	Jack Schwartz at Courant Institute of Mathematical Sciences	
1969	TUTOR	Paul Tenczar & University of Illinois at Urbana-Champaign	
1969	Edinburgh IMP	Edinburgh University	Algol 60, Autocode, Atlas Autocode
Year	Name	Chief developer, company	Predecessor(s)

1970s

Year	Name	Chief developer, company	Predecessor(s)
1970?	Forth (implementation)	Charles H. Moore	
1970	POP-2		POP-1
1970	Pascal	Niklaus Wirth, Kathleen Jensen	ALGOL 60, ALGOL W
1970	BLISS	Wulf, Russell, Habermann at Carnegie Mellon University	ALGOL
1971	KRL	Daniel G. Bobrow at Xerox PARC, Terry Winograd at Stanford University	KM, FRL (MIT)
1971	Sue	Ric Holt <i>et al.</i> at University of Toronto	Pascal, XPL
1971	Compiler Description Language (CDL)	Cornelis H.A. Koster at University of Nijmegen	
1972	Smalltalk	Daniel Henry Holmes Ingalls, Jr., Xerox PARC	Simula 67
1972	PL/M	Gary Kildall at Digital Research	PL/I, ALGOL, XPL
1972	C	Dennis Ritchie	B, BCPL, ALGOL 68
1972	INTERCAL	Don Woods and James M. Lyon	*
1972	Prolog	Alain Colmerauer	2-level W-Grammar
1972	Structured Query language (SQL)	IBM	ALPHA, Quel (Ingres)
1973	COMAL	Børge Christensen, Benedict Løfstedt	Pascal, BASIC
1973	ML	Robin Milner	

1973	LIS	Jean Ichbiah <i>et al.</i> at CII Honeywell Bull	Pascal, Sue
1973	Speakeasy-3	Stanley Cohen, Steven Pieper at Argonne National Laboratory	Speakeasy-2
1974	CLU	Barbara Liskov	ALGOL 60, Lisp, Simula
1974	GRASS	Thomas A. DeFanti	BASIC
1974	BASIC FOUR	MAI BASIC Four Inc.	Business BASIC
1974	PROSE modeling language	CDC 6600 Cybernet Services	SLANG, FORTRAN
1975	ABC	Leo Geurts and Lambert Meertens	SETL
1975	Irvine Dataflow (concept)	Arvind?, University of California, Irvine	
1975	PROSE modeling language Time-Sharing Version	CDC 6400 Cybernet KRONOS Services	SLANG, FORTRAN
1975	Scheme	Gerald Jay Sussman, Guy L. Steele, Jr.	LISP
1975	Altair BASIC	Bill Gates, Paul Allen	BASIC
1975	CS-4	James S. Miller, Benjamin M. Brosgol <i>et al.</i> at Intermetrics	ALGOL 68, BLISS, ECL, HAL
1975	Modula	Niklaus Wirth	Pascal
1976	Plus	Allan Ballard, Paul Whaley at the University of British Columbia	Pascal, Sue
1976	Smalltalk-76	Xerox PARC	Smalltalk-72
1976	Mesa	Xerox PARC	ALGOL
1976	SAM76	Claude A.R. Kagan	LISP, TRAC
1976	Ratfor	Brian Kernighan	C, FORTRAN
1976	S	John Chambers at Bell Labs	APL, PPL, Scheme
1976	SAS	SAS Institute	
1977	FP	John Backus	*
1977	Bourne Shell (<i>sh</i>)	Stephen R. Bourne	*
1977	Commodore BASIC	Jack Tramiel	Licensed from Microsoft
1977	IDL	David Stern of Research Systems Inc	Fortran
1977	Standard MUMPS		MUMPS
1977	Icon (concept)	Ralph Griswold	SNOBOL
1977	Red	Benjamin M. Brosgol <i>et al.</i> at Intermetrics for US Dept of Defense	ALGOL 68, CS-4
1977	Blue	John B. Goodenough <i>et al.</i> at SofTech for US Dept of Defense	ALGOL 68
1977	Yellow	Jay Spitzen <i>et al.</i> at SRI International for US Dept of Defense	ALGOL 68
1977	Euclid	Butler Lampson at Xerox Parc, Ric Holt and	

		James Cordy at University of Toronto	
1978	C shell	Bill Joy	C
1978	RPG III	IBM	FARGO, RPG, RPG II
1978	HAL/S	designed by Intermetrics for NASA	XPL
1975	Irvine Dataflow (implementation)	Arvind and Gostelow, University of California, Irvine	
1978?	MATLAB	Cleve Moler at the University of New Mexico	Fortran
1978?	SMALL	Nevil Brownlee at the University of Auckland	Algol60
1978	VisiCalc	Dan Bricklin, Bob Frankston marketed by VisiCorp	*
1979	Modula-2	Niklaus Wirth	Modula, Mesa
1979	REXX	Mike Cowlshaw at IBM	PL/I, BASIC, EXEC 2
1979	AWK	Alfred Aho, Peter J. Weinberger, Brian Kernighan	C, SNOBOL
1979	Icon (implementation)	Ralph Griswold	SNOBOL
1979	Vulcan dBase-II	Wayne Ratliff	*
Year	Name	Chief developer, company	Predecessor(s)

1980s

Year	Name	Chief developer, company	Predecessor(s)
1980	Ada 80 (MIL-STD-1815)	Jean Ichbiah at CII Honeywell Bull	Green
1980	C with classes	Bjarne Stroustrup ^[7]	C, Simula 67
1980–81	CBASIC	Gordon Eubanks	BASIC, Compiler Systems, Digital Research
1981	BBC BASIC	Acorn Computers, Sophie Wilson	BASIC
1981	IBM BASICA	Microsoft	BASIC
1982?	Speakeasy-IV	Stanley Cohen, <i>et al.</i> at Speakeasy Computing Corporation	Speakeasy-3
1982?	Draco	Chris Gray	Pascal, C, ALGOL 68
1982	PostScript	Warnock	InterPress
1982	Turing	Ric Holt and James Cordy, at University of Toronto	Euclid
1983	GW-BASIC	Microsoft	IBM BASICA
1983	Turbo Pascal	Hejlsberg at Borland	Pascal
1983	Ada 83 (ANSI/MIL-STD-1815A)	Jean Ichbiah at Alsys	Ada 80, Green
1983	Objective-C	Brad Cox	Smalltalk, C

1983	C++	Bjarne Stroustrup	C with Classes
1983	True BASIC	John George Kemeny, Thomas Eugene Kurtz at Dartmouth College	BASIC
1983	occam	David May	EPL
1983?	ABAP	SAP AG	COBOL
1983	Korn Shell (<i>ksh</i>)	David Korn	sh
1984	CLIPPER	Nantucket	dBase
1984	Common Lisp	Guy L. Steele, Jr. and many others	LISP
1984?	GOM – Good Old Mad	Don Boettner, University of Michigan	MAD
1984	RPL	Hewlett-Packard	Forth, Lisp
1984	Standard ML		ML
1984	Redcode	Alexander Dewdney and D.G. Jones	
1984	OPL	PSION	BASIC
1985	PARADOX	Borland	dBase
1985	QuickBASIC	Microsoft	BASIC
1986	CorVision	Cortex	INFORM
1986	Eiffel	Bertrand Meyer	Simula 67, Ada
1986	GFA BASIC	Frank Ostrowski	BASIC
1986	Informix-4GL	Informix	
1986	LabVIEW	National Instruments	
1986	Miranda	David Turner at University of Kent	
1986	Object Pascal	Apple Computer Inc.	Pascal
1986	PROMAL		C
1987	Ada ISO 8652:1987	ANSI/MIL-STD-1815A unchanged	Ada 83
1987	Self (concept)	Sun Microsystems Inc.	Smalltalk
1987	occam 2	David May and INMOS	occam
1987	HyperTalk	Apple Computer Inc.	*
1987	Perl	Larry Wall	C, sed, awk, sh
1987	Oberon	Niklaus Wirth	Modula-2
1987	Erlang	Joe Armstrong and others in Ericsson	Prolog
1987	Mathematica (Wolfram Language)	Wolfram Research	*
1987	Turbo Basic	Robert 'Bob' Zale	BASIC/Z
1987	Clean	Software Technology Research Group of Radboud University Nijmegen	*
1988	RPG/400	IBM	FARGO, RPG, RPG II, RPG III
1988	Octave		MATLAB
1988	Tcl	John Ousterhout	Awk, Lisp

1988	STOS BASIC	François Lionet and Constantin Sotiropoulos	BASIC
1988	Object REXX	Simon C. Nash	REXX, Smalltalk
1988	SPARK	Bernard A. Carré	Ada
1988	A+	Arthur Whitney	APL
1988	Hamilton C shell	Nicole Hamilton	C shell
1989	Turbo Pascal OOP	Anders Hejlsberg at Borland	Turbo Pascal, Object Pascal
1989	Modula-3	Cardeli, et al. DEC and Olivetti	Modula-2
1989	PowerBASIC	Robert 'Bob' Zale	Turbo Basic
1989	VisSim	Peter Darnell, Visual Solutions	
1989	LPC	Lars Pensjö	
1989	Bash	Brian Fox	Bourne shell, C shell, Korn shell
Year	Name	Chief developer, company	Predecessor(s)

1990s

Year	Name	Chief developer, company	Predecessor(s)
1990	AMOS BASIC	François Lionet and Constantin Sotiropoulos	STOS BASIC
1990	AMPL	Robert Fourer, David Gay and Brian Kernighan at Bell Laboratories	
1990	Object Oberon	H Mössenböck, J Templ, R Griesemer	Oberon
1990	J	Kenneth E. Iverson, Roger Hui at Iverson Software	APL, FP
1990	Haskell		Miranda
1990	EuLisp		Common Lisp, Scheme
1990	Z Shell (<i>zsh</i>)	Paul Falstad at Princeton University	ksh
1991	GNU E	David J. DeWitt, Michael J. Carey	C++
1991	Oberon-2	Hanspeter Mössenböck, Wirth	Object Oberon
1991	Python	Guido van Rossum	ABC, ALGOL 68, Icon, Modula-3
1991	Oz	Gert Smolka and his students	Prolog
1991	Q	Albert Gräf	
1991	Visual Basic	Alan Cooper, sold to Microsoft	QuickBASIC
1992	Borland Pascal		Turbo Pascal OOP
1992	Dylan	many people at Apple Computer Inc.	Common Lisp, Scheme
1993?	Self (implementation)	Sun Microsystems Inc.	Smalltalk
1993	Amiga E	Wouter van Oortmerssen	DEX, C, Modula-2

1993	Brainfuck	Urban Müller	P''
1993	Revolution Transcript		HyperTalk
1993	AppleScript	Apple Computer Inc.	HyperTalk
1993	K	Arthur Whitney	APL, Lisp
1993	Lua	Roberto Ierusalimschy <i>et al.</i> at Tecgraf, PUC-Rio	Scheme, SNOBOL, Modula, CLU, C++
1993	R	Robert Gentleman and Ross Ihaka	S
1993	ZPL	Chamberlain <i>et al.</i> at University of Washington	C
1993	NewtonScript	Walter Smith	Self, Dylan
1994	Claire	Yves Caseau	Smalltalk, SETL, OPS5, Lisp, ML, C, LORE, LAURE
1994	ANSI Common Lisp		Common Lisp
1994	RAPID	ABB Group	ARLA
1994	Pike	Fredrik HübINETTE et al. at Linköping University	LPC, C, µLPC
1994	ANS Forth	Elizabeth Rather, et al.	Forth
1995	Ada 95	S. Tucker Taft, et al. at Intermetrics, Inc.	Ada 83
1995	Borland Delphi	Anders Hejlsberg at Borland	Borland Pascal
1995	ColdFusion (CFML)	Allaire	
1995	Java	James Gosling at Sun Microsystems	C, Simula 67, C++, Smalltalk, Ada 83, Objective-C, Mesa
1995	LiveScript	Brendan Eich at Netscape	Self, C, Scheme
1995	Mercury	Zoltan Somogyi at University of Melbourne	Prolog, Hope, Haskell
1995	PHP	Rasmus Lerdorf	Perl
1995	Ruby	Yukihiro Matsumoto	Smalltalk, Perl
1995	JavaScript	Brendan Eich at Netscape	LiveScript
1996	Curl	David Kranz, Steve Ward, Chris Terman at MIT	Lisp, C++, Tcl/Tk, TeX, HTML
1996	Lasso	Blue World Communications Inc.	
1996	Perl Data Language (PDL)	Karl Glazebrook, Jarle Brinchmann, Tuomas Lukka, and Christian Soeller	APL, Perl
1996	OCaml	INRIA	Caml Light, Standard ML
1996	NetRexx	Mike Cowlshaw	REXX
1997	Component Pascal	Oberon microsystems, Inc	Oberon-2
1997	E	Mark S. Miller	Joule, Original-E
1997	Pico	Free University of Brussels	Scheme

1997	Squeak Smalltalk	Alan Kay, <i>et al.</i> at Apple Computer Inc.	Smalltalk-80, Self
1997	ECMAScript	ECMA TC39-TG1	JavaScript
1997	F-Script	Philippe Mougín	Smalltalk, APL, Objective-C
1997	ISLISP	ISO Standard ISLISP	Common Lisp
1997	Tea	Jorge Nunes	Java, Scheme, Tcl
1997	REBOL	Carl Sassenrath, Rebol Technologies	Self, Forth, Lisp, Logo
1998	Standard C++	ANSI/ISO Standard C++	C++, Standard C, C
1998	M2001	Ronald E. Prather, Trinity University (Texas)	*
1998	Pikt	Robert Osterlund (then at University of Chicago)	AWK, Perl, Unix shell
1998	PureBasic	Frederic Laboureur, Fantaisie Software	
1998	UnrealScript	Tim Sweeney at Epic Games	C++, Java
1999	XSLT (+ XPath)	W3C, James Clark	DSSSL
1999	Game Maker Language (GML)	Mark Overmars	Game Maker
1999	Harbour	Antonio Linares	dBase
Year	Name	Chief developer, company	Predecessor(s)

2000s

Year	Name	Chief developer, company	Predecessor(s)
2000	Join Java	G Stewart von Itzstein	Java
2000	ActionScript	Gary Grossman	ECMAScript
2000	Joy	Manfred von Thun	FP, Forth
2000	D	Walter Bright, Digital Mars	C, C++, C#, Java
2000	XL	Christophe de Dinechin	Ada, C++, Lisp
2000	C#	Anders Hejlsberg, Microsoft (ECMA)	C, C++, Java, Delphi, Modula-2
2000	Ferite	Chris Ross	C, C++, Java, PHP, Python, Ruby, Scheme
2001	AspectJ	Gregor Kiczales, Xerox PARC	Java, Common Lisp
2001	Processing	Casey Reas and Benjamin Fry	Java, C, C++ ^[8]
2001	Visual Basic .NET	Microsoft	Visual Basic
2001	RPG IV (RPGLE, ILE RPG, RPG Free)	IBM	FARGO, RPG, RPG II, RPG III, RPG/400

2001	GDScript (GDS)	OKAM Studio	Godot
2002	Io	Steve Dekorte	Self, NewtonScript
2002	Gosu	Guidewire Software	GScript
2003	Nemerle	University of Wrocław	C#, ML, MetaHaskell
2003	Factor	Slava Pestov	Joy, Forth, Lisp
2003	Falcon	Giancarlo Niccolai	C++, Perl, Lua, Smalltalk, PHP, Lisp, Python, Ruby
2003	Scala	Martin Odersky	Smalltalk, Java, Haskell, Standard ML, OCaml
2003	Squirrel	Alberto Demichelis	Lua
2004	Subtext	Jonathan Edwards	*
2004	Alma-0	Krzysztof Apt, Centrum Wiskunde & Informatica	*
2004	Boo	Rodrigo B. de Oliveira	Python, C#
2004	FreeBASIC	Andre Victor	QBasic
2004	Groovy	James Strachan	Java
2004	Little b	Aneil Mallavarapu, Harvard Medical School, Department of Systems Biology	Lisp
2005	F#	Don Syme, Microsoft Research	OCaml, C#, Haskell
2005	Seed7	Thomas Mertes	*
2006	Links	Philip Wadler, University of Edinburgh	Haskell
2006	Cobra	ChuckEsterbrook	Python, C#, Eiffel, Objective-C
2006	Windows PowerShell	Microsoft	C#, ksh, Perl, CL, DCL, SQL
2006	OptimJ	Ateji	Java
2007	Ada 2005	Ada Rapporteur Group	Ada 95
2007	Fantom	Brian Frank, Andy Frank	C#, Scala, Ruby, Erlang
2007	Scratch	Mitchel Resnick, John Maloney, Natalie Rusk, Evelyn Eastmond, Tammy Stern, Amon Millner, Jay Silver, and Brian Silverman	Logo, Smalltalk, Squeak, E-Toys, HyperCard, AgentSheets, StarLogo, Tweak, BYOB
2007	Vala	GNOME	C#
2007	Clojure	Rich Hickey	Lisp, ML, Haskell, Erlang
2007	Fortress	Guy Steele	Scala, ML, Haskell
2007	Oberon-07	Wirth ^[9]	Oberon
2007	LOLCODE	Adam Lindsay	*
2008	Genie	Jamie McCracken	Python, Boo, D, Object Pascal
2008	Pure	Albert Gräf	Q
2009	Go	Google	C, Oberon, Limbo, Smalltalk
			JavaScript, Ruby, Python,

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2009	CoffeeScript	Jeremy Ashkenas	Haskell
2009	Idris	Edwin Brady	Haskell, Agda, Coq
2009	Parasail	S. Tucker Taft, AdaCore	Modula, Ada, Pascal, ML
Year	Name	Chief developer, company	Predecessor(s)

2010s

Year	Name	Chief developer, company	Predecessor(s)
2010	Chapel	Brad Chamberlain, Cray Inc.	HPF, ZPL
2010	Rust	Graydon Hoare, Mozilla	Alef, C++, Camlp4, Common Lisp, Erlang, Hermes, Limbo, Napier, Napier88, Newsqueak, NIL, Sather, Standard ML
2011	Ceylon	Gavin King, Red Hat	Java
2011	Dart	Google	Java, JavaScript, CoffeeScript, Go
2011	Elm	Evan Czaplicki	Haskell, Standard ML, OCaml, F#
2011	Kotlin	JetBrains	Java, Scala, Groovy, C#, Gosu
2011	C++11	C++ ISO/IEC 14882:2011	C++, Standard C, C
2012	Elixir	José Valim	Erlang, Ruby, Clojure
2012	TypeScript	Anders Hejlsberg, Microsoft	JavaScript, CoffeeScript
2012	Julia	Jeff Bezanson, Stefan Karpinski, Viral Shah, Alan Edelman, MIT	MATLAB, Lisp, C, Fortran, Mathematica ^[10] (strictly its Wolfram Language), Python, Perl, R, Ruby, Lua ^[11]
2012	Ada 2012	ARA and Ada Europe (ISO/IEC 8652:2012)	Ada 2005, ISO/IEC 8652:1995/Amd 1:2007
2014	Hack	Facebook	PHP
2014	Swift	Apple Inc.	Objective-C, Rust, Haskell, Ruby, Python, C#, CLU
2014	C++14	C++ ISO/IEC 14882:2014	C++, Standard C, C
Year	Name	Chief developer, company	Predecessor(s)

See also

- Programming language
- Timeline of computing
- History of computing hardware
- History of programming languages

References

- Booth, Kathleen. "machine language for Automatic Relay Computer". *Birkbeck College Computation Laboratory*,. University of London.
- Campbell-Kelly, Martin "The Development of Computer Programming in Britain (1945 to 1955)", The Birkbeck College Machines, in (1982) Annals of the History of Computing 4(2) April 1982 IEEE

3. UNIVAC conference (<http://purl.umn.edu/104288>), Charles Babbage Institute, University of Minnesota. 171-page transcript of oral history with computer pioneers, including Albert B. Tonik, involved with the Univac computer, held on 17–18 May 1990.
4. "Der Freiburger Code auf der Zuse" (in German). Retrieved 26 October 2014.
5. H. Zuse. "Z22". Retrieved 26 October 2014.
6. Smillie, Keith. "Kenneth E. Iverson - A.M. Turing Award Winner". ACM.
7. <http://isocpp.org/tour>
8. <https://www.arduino.cc/en/Reference/HomePage>
9. <http://www.inf.ethz.ch/personal/wirth/Articles/Oberon.html>
10. "Why We Created Julia". *Julia website*. February 2012. Retrieved 7 February 2013.
11. "Introduction". *The Julia Manual*.

External links

- Online encyclopedia for the history of programming languages (<http://hopl.murdoch.edu.au>)
- Diagram & history of programming languages (<http://merd.sourceforge.net/pixel/language-study/diagram.html>)
- Eric Levenez's timeline diagram of computer languages history (<http://www.levenez.com/lang/>)

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Categories: Computing timelines | Lists of programming languages | History of computer science

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