# Who is who in Computer Science

## Ali Aydar



**Ali Aydar** is a computer scientist and Internet entrepreneur. He is the chief executive officer at Sporcle. He is best known as an early employee and key technical contributor at the original Napster. Aydar bought Fanning his first book on programming in C++, the language he would use two years later to build the Napster file-sharing software.

## Alan Turing

**Alan Turing** (23 June 1912 – 7 June 1954) was a British mathematician and computer scientist who formalised the concepts of algorithm and computation. Turing is widely regarded as the father of theoretical computer science and artificial intelligence. He invented the famous Turing machine in 1936 which is considered as a model of a general-purpose computer.

## Anita Borg



**Anita Borg** (January 17, 1949 – April 6, 2003) was an American computer scientist. She founded the Institute for Women and Technology (now the Anita Borg Institute for Women and Technology). While at Digital Equipment, she developed and patented a method for generating complete address traces for analyzing and designing high-speed memory systems.

# Alfred Aho



**Alfred Aho** (born August 9, 1941) is a Canadian computer scientist best known for his work on programming languages, compilers, and related algorithms, and his textbooks on the art and science of computer programming. Aho received a B.A.Sc. in Engineering Physics from the University of Toronto.

# Bjarne Stroustrup



**Bjarne Stroustrup** (born 30 December 1950) is a Danish computer scientist, most notable for the creation and development of the widely used C++ programming language. He is a Distinguished Research Professor and holds the College of Engineering Chair in Computer Science.

# Bill Gates



**Bill Gates** (born October 28, 1955) is an American business magnate, philanthropist, investor, computer programmer, and inventor. Gates is the former chief executive and chairman of Microsoft, the world's largest personal-computer software company, which he co-founded with Paul Allen.

# Bruce Arden

**Bruce Arden** (born in 1927 in Minneapolis, Minnesota) is an American computer scientist. He graduated from Purdue University with a BS(EE) in 1949 and started his computing career in 1950 with the wiring and programming of IBM's hybrid (mechanical and electronic) Card Programmed Computer/Calculator at the Allison Division of General Motors.

# Brendan Eich

**Brendan Eich** (born 1960 or 1961)is an American technologist and creator of the JavaScript scripting language. He cofounded the Mozilla project, the Mozilla Foundation and the Mozilla Corporation, and served as the Mozilla Corporation's chief technical officer and briefly its chief executive officer.

# Barry Boehm

**Barry Boehm** (born 1935) is an American software engineer, Distinguished Professor of Computer Science, Industrial and Systems Engineering, the TRW Professor of Software Engineering. He is known for his many contributions to the area of software engineering.

# Bert Bos

**Bert Bos** (born 10 November 1963, The Hague, Netherlands) is a computer scientist. He studied mathematics at the University of Groningen, and wrote his PhD thesis on Rapid user interface development with the script language Gist. In 1996, he joined the World Wide Web Consortium (W3C) to work on Cascading Style Sheets (CSS).

# Bryan Cantrill



**Bryan Cantrill** (born 1973) is an American Software Engineer who worked at Sun Microsystems and later at Oracle Corporation following its acquisition of Sun. Cantrill was included in the TR35 list for his development of DTrace, a function of the OS Solaris 10 that provides a non-invasive means for real-time tracing and diagnosis of software. He is currently Chief Technology Officer at Joyent.

# Charles Babbage



**Charles Babbage** FRS (26 December 1791 – 18 October 1871) was an English polymath. He was a mathematician, philosopher, inventor and mechanical engineer, who is best remembered now for originating the concept of a programmable computer.
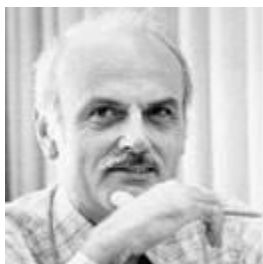
# Dennis Ritchie

**Dennis Ritchie**(September 9, 1941 – c. October 12, 2011) was an American computer scientist. He created the C programming language and, with long-time colleague Ken Thompson, the Unix operating system. Ritchie and Thompson received the Turing Award from the ACM in 1983.

# David J. Brown



**David J. Brown** is an American computer scientist. He was one of a small group that helped to develop the system at Stanford that later resulted in Sun Microsystems, and later was a founder Silicon Graphics in 1982. He define the application binary interface for Solaris, Sun's principal system software product.

# Edgar F. Codd



**Edgar F. Codd** (August 19, 1923 – April 18, 2003) was an English computer scientist who, while working for IBM, invented the relational model for database management, the theoretical basis for relational databases. He made other valuable contributions to computer science.

# Frances Allen

**Frances Allen** (born August 4, 1932) is an American computer scientist and pioneer in the field of optimizing compilers. Her achievements include seminal work in compilers, code optimization, and parallelization. She also had a role in intelligence work on programming languages.

# Gordon Bell



**Gordon Bell** (born August 19, 1934) is an American electrical engineer and manager. An early employee of Digital Equipment Corporation (DEC) 1960–1966, Bell designed several of their PDP machines and later became Vice President of Engineering 1972-1983, overseeing the development of the VAX.

# Gregory Chaitin



**Gregory Chaitin** (born 15th. November, 1947 in Argentina) is an Argentine-American mathematician and computer scientist. Beginning in the late 1960s, Chaitin made contributions to algorithmic information theory and metamathematics, in particular an computer-theoretic result equivalent to Godel's incompleteness theorem.

# James Gosling

**James Gosling** OC (born May 19, 1955) is a Canadian computer scientist, best known as the father of the Java programming language. In 1977, Gosling received a Bachelor of Science in Computer Science from the University of Calgary.

# John Backus



**John Backus** (December 3, 1924 – March 17, 2007) was an American computer scientist. He directed the team that invented the first widely used high-level programming language (FORTRAN) and was the inventor of the Backus-Naur form (BNF), a widely used notation to define formal language syntax.

# Jon Crowcroft



**John Crowcroft** (born 23 November 1957) is the Marconi Professor of Communications Systems in the Computer Laboratory of the University of Cambridge. Professor Jon Crowcroft is distinguished for his many seminal contributions to the development of the Internet. His work on satellite link interconnection techniques in the 1980s paved the way for rural broadband.

# Larry Page

**Larry Page** (born March 26, 1973) is an American business magnate and computer scientist who is the co-founder of Google, alongside Sergey Brin. On April 4, 2011, Page succeeded Eric Schmidt as the chief executive officer of Google. As of 2014, Page's personal wealth is estimated to be US$32. 3 billion, ranking him #19 on the Forbes list of billionaires.

## Larry Wall



**Larry Wall** (born September 27, 1954) is a computer programmer and author, most widely known as the creator of the Perl programming language and Camelia, the spunky spokesbug for Perl 6. Wall grew up in south Los Angeles and then Bremerton, Washington, before starting higher education at Seattle Pacific University in 1976.

## Linus Torvalds



**Linus Benedict Torvalds** (born December 28, 1969) is a Finnish American software engineer, and he is well known for the architect and development of the Linux kernel. He was honored, along with Shinya Yamanaka, with the 2012 Millennium Technology Prize by the Technology Academy Finland "in recognition of his creation of a new open source operating system for computers leading to the widely used Linux kernel.

## Luis Von Ahn

**Luis Von Ahn** (born 1979) is a Guatemalan entrepreneur and an associate professor in the Computer Science Department at Carnegie Mellon University. He is known as one of the pioneers of crowdsourcing. He is the founder of the company reCAPTCHA, which was sold to Google in 2009, and the co-founder and CEO of Duolingo, a popular language-learning platform.

# Luca Cardelli



**Luca Cardelli** FRS is an Italian computer scientist who is an Assistant Director at Microsoft Research in Cambridge, UK. Cardelli is well known for his research in type theory and operational semantics. Among other contributions, he helped design Modula-3, implemented the first compiler for the (non-pure) functional programming language ML.

# Michael Dell



**Michael Dell** (born February 23, 1965) is an American business magnate, investor, philanthropist, and author. He is known as the founder and CEO of Dell Inc., one of the world's leading sellers of personal computers (PCs).

# Michael Dertouzos

**Michael Dertouzos** (November 5, 1936 - August 27, 2001) was a Professor at the Massachusetts Institute of Technology and Director of the M.I.T. Laboratory for Computer Science (LCS) from 1974 to 2001. During Dertouzos's term, LCS innovated in a variety of areas, including RSA encryption, the spreadsheet, the NuBus, the X Window System, and the Internet.

# Maurice Vincent Wilkes



**Maurice Vincent Wilkes** (26 June 1913 – 29 November 2010) was a British computer scientist credited with several important developments in computing. At the time of his death, Wilkes was an Emeritus Professor of the University of Cambridge. He received a number of distinctions.

# Nello Cristianini



**Nello Cristianini** (born 1968) is a Professor of Artificial Intelligence at the University of Bristol, a recipient of the Royal Society Wolfson Research Merit Award. His research contributions across different areas, such as machine learning, artificial intelligence and bioinformatics. Specifically, his work is concentrated in the statistical analysis of the learning algorithms.

# Philip Don Estridge

**Philip Don Estridge** (June 23, 1937 - August 2, 1985), known as Don Estridge, led development of the original IBM Personal Computer (PC), and thus is known as "father of the IBM PC". His decisions dramatically changed the computer industry, resulting in a vast increase in the number of personal computers sold and bought.

# Philip Matthaus Hahn



**Philipp** November 25, 1739 in Scharnhausen, today part of Ostfildern - May 2, 1790 in Echterdingen, today part of Leinfelden-Echterdingen) was a German priest and inventor. In about 1763 he devised a precision sundial, or heliochronometer that incorporated the correction for the equation of time.

# Per Brinch Hansen



**Per Brinch Hansen** (November 13, 1938 – July 31, 2007) was a Danish-American computer scientist known for concurrent programming theory. In 1970, his research in computer science focused on concurrent programming, Inspired by Ole-Johan Dahl and Kristen Nygaard's programming language Simula 67, he invented the monitor concept in 1972.

# Rasmus Lerdorf

**Rasmus Lerdorf** (born 22 November 1968) is a Greenlandic programmer with Canadian citizenship. He created the PHP scripting language, authoring the first two versions of the language and participating in the development of later versions led by a group of developers including Jim Winstead.

# Richard Stallman



**Richard Stallman** (born March 16, 1953) is an American is a software freedom activist and computer programmer. He is best known for launching the GNU Project, founding the Free Software Foundation, developing the GNU Compiler Collection and GNU Emacs, and writing the GNU General Public License.

# Robert S. Boyer



**Robert S.Boyer** is a retired professor of computer science, mathematics, and philosophy at The University of Texas at Austin. He and J Strother Moore invented the Boyer–Moore string search algorithm, a particularly efficient string searching algorithm, in 1977. He and Moore also collaborated on the Boyer–Moore automated theorem prover, Nqthm, in 1992.

# Robert Bob Kahn

**Robert "Bob" Kahn** (born December 23, 1938) is an Amercian engineer who is well-regarded as one of "the fathers the Internet" sharing this title with American Internet pioneer Vint Cerf. In December 1997, Kahn and Cerf received the U.S. National Medal of Technology, for founding and developing the Internet. Kahn is the co-inventor of the TCP/IP protocols, the most important communication protocol of the Internet. He was responsible for originating DARPA's Internet program.

In 2004, Kahn was the recipient of the prestigious ACM Alan M. Turing award. In 2005, he received the Presidential Medal of Freedom - the highest civilian award of the United States.

# Sabeer Bhatia



**Sabeer Bhatia** was born in Chandigarh on 30 December 1968. He grew up in Bangalore and had his early education at the Bishop's School in Pune and then at St Joseph's Boys High School in Bangalore. Sabeer Bhatia is an Indian American entrepreneur who founded the Hotmail email service and Jaxt.

# Sergey brin



**Sergey Brin** (born August 21, 1973) is an American computer scientist and internet entrepreneur who, with Larry Page, co-founded Google, one of the most profitable

Internet companies. As of June 2014, his personal wealth was estimated to be US$ 30 billion. Together, Brin and Page own about 16 percent of the company.

# Serge Abiteboul



**Serge Abiteboul** is a computer scientist working in the areas of data management, database theory, and finite model theory. He is currently a senior researcher at the Institute national de recherche en informatique et en automatique (INRIA), the French national research institute focussing on computer science and related areas, and has been a professor of the College de France.

# Steve Jobs



Better known as the co-founder of Apple Computers, Steve Jobs was an American inventor who pioneered the microcomputer revolution in the 1970s and 1980s. Born in San Francisco, California, Jobs laid the foundation of Apple Computers in 1976, along with his partner Steve Wozniak.

Under Steve's leadership, Apple had launched a series of revolutionary products such as iPhone, iPod, and iPad that had a major contribution in modern technology. Steve is also known as the architect of Macintosh, the widely popular operating system that catalyzed the mass production of computers with a GUI. Steve passed away in 2011 after a long battle with pancreatic cancer.

# Tim Berners Lee



**Tim Berners Lee** (born 8 June 1955), also known as "TimBL", is a British computer scientist, best known as the inventor of the World Wide Web. Berners Lee is the director of the World Wide Web Consortium (W3C), which oversees the Web's continued development.

# Vint Cerf



**Vint Cerf** ( born June 23, 1943) is an American internet pioneer, who is recognized as one of "the fathers of the Internet", sharing this title with American engineer Bob Kahn. His contributions have been acknowledged and lauded, repeatedly. He was instrumental in the development of the first commercial email system (MCI Mail) connected to the Internet.