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Encyclopedia of Computer Science and Technology Digitized Encyclopedia of Computers and Computer History The Computer: A Very Short Introduction Computer Computer Computing Dictionary of Computer and Internet Terms Dictionary of Computer and Internet Terms The Computer Computers in Society Computer The Concise Computer Dictionary Encyclopedia of Computers and Computer History Computing Perspectives Dive Into Systems Computer Science Principles Explorations in Computing Computers and Man Computers Computer Sciences Principles of Computer Systems and Network Management Talking with Computers Computers and Their Applications The Evolution of Computer Technology The Origins of Digital Computers Man and the Computer Little Bk Computer Wisdom Prem Ed Computer, Student Economy Edition Internet and Personal Computing Fads Encyclopedia of Computer Science A Brief History of Computing Computers and the Cybernetic Society Foundations of Computer Technology Further Computer Appreciation Explorations in Computing Talking Back to the Machine Computer Early British Computers Computers and Society

<u>Encyclopedia of Computer Science and Technology</u> *2009*

presents an illustrated a z encyclopedia containing approximately 600 entries on computer and technology related topics

Digitized *2012-03-22*

the author explores how computer science grew from its theoretical conception by pioneers such as turing through its growth spurts in the internet its difficult adolescent stage where the promises of ai were never achieved and dot com bubble burst to its current stage as a semi mature field now capable of remarkable achievements publisher s description

Encyclopedia of Computers and Computer History 2014

there is a companion web site asssociated with the book vsicomputer wordpress com it contains chapter summaries links to relevant material and posts about items of news relevant to the book s contents computers have changed so much since the room filling bulky magnetic tape running monsters of the mid 20th century they now form a vital part of most people s lives and they are more ubiquitous than might be thought you may have more than 30 computers in your home not just the desktop and laptop but think of the television the fridge the microwave but what is the basic nature of the modern computer how does it work how has it been possible to squeeze so much power into increasingly small machines and what will the next generations of computers look like in this very short introduction darrel ince looks at the basic concepts behind all computers the changes in hardware and software that allowed computers to become so small and commonplace the challenges produced by the computer revolution especially whole new modes of cybercrime and security issues the internet and the advent of cloud computing and the promise of whole new horizons opening up with quantum computing and even computing using dna about the series the very short introductions series from oxford university press contains hundreds of titles in almost every subject area these pocket sized books are the perfect way to get ahead in a new subject quickly our expert authors combine facts analysis perspective new ideas and enthusiasm to make interesting and challenging topics highly readable

The Computer: A Very Short Introduction 2011-11-24

computer a history of the information machine traces the history of the computer and shows how business and government were the first to explore its unlimited information processing potential old fashioned entrepreneurship combined with scientific know how inspired now famous computer engineers to create the technology that became ibm wartime needs drove the giant eniac the first fully electronic computer later the pc enabled modes of computing that liberated people from room sized mainframe computers this third edition provides updated analysis on software and computer networking including new material on the programming profession social networking and mobile computing it expands its focus on the it industry with fresh discussion on the rise of google and facebook as well as how powerful

applications are changing the way we work consume learn and socialize computer is an insightful look at the pace of technological advancement and the seamless way computers are integrated into the modern world through comprehensive history and accessible writing computer is perfect for courses on computer history technology history and information and society as well as a range of courses in the fields of computer science communications sociology and management

Computer *2018-04-20*

this volume provides a history of the computer which now comes properly up to the ubiquitous age with new chapters that look at globalization platformitization and regulation allowing readers to engage with the more recent takeover by computers in their historical perspective with the growing ubiquity of computers the subject is one of interest to many students and this will feature in history of science and technology courses and world history courses as well as ones specifically on computing books on the history of computing tend to be quite technically or business focused this covers the social and cultural history as well

Computer 2023-06-19

discover the history of computing through 4 major threads of development in this compact accessible history covering punch cards silicon valley smartphones and much more in an accessible style computer historian paul ceruzzi offers a broad though detailed history of computing from the first use of the word digital in 1942 to the development of punch cards and the first general purpose computer to the internet silicon valley and smartphones and social networking ceruzzi identifies 4 major threads that run throughout all of computing s technological development digitization the coding of information computation and control in binary form the convergence of multiple streams of techniques devices and machines the steady advance of electronic technology as characterized famously by moore s law human machine interface the history of computing could be told as the story of hardware and software or the story of the internet or the story of smart hand held devices in this concise and accessible account of the invention and development of digital technology ceruzzi offers a general and more useful perspective for students of computer science and history

Computing *2012-06-15*

this updated edition includes the most recent terms relating to constantly expanding computer and internet technology more than 3 200 terms and definitions deal with practical guidance for business software users computer security law and ethics computer programming with examples in several computer languages social media internet culture and their latest developments previous editions of this user friendly book have proved especially helpful to readers who feel intimidated by computer technicians jargon the authors clarify technical terminology while keeping to the highest standards of accuracy one grateful reader called this book the rosetta stone for deciphering computer terms features many line illustrations and tables

Dictionary of Computer and Internet Terms *2012-11-01*

this dictionary contains over 32 000 terms that are specific to computers and the internet each term includes a definition description with more than 750 pages this dictionary is one of the most comprehensive resources available terms relate to applications commands functions operating systems image processing and networking no other dictionary of computing terms even comes close to the breadth of this one it is designed to be used by everyone from the novice seeking the most basic information to the mainframe systems programmer and mis professional looking for sophisticated and hard to find information that s not available in most reference books it s all here in one indispensable reference source artificial intelligence computer integrated manufacturing data communication databases distributed data processing fiber optics fundamental terms local area networks multimedia office automation open systems interconnection peripheral equipment personal computing processing units programming system development text processing this dictionary is ideal not only for students of computing but for those studying the related fields of information technology mathematics physics media communications electronic engineering and natural sciences we also publish a companion volume vol 2 of computer acronyms and abbreviations with an additional 4 500 terms volume 2 also includes a section on file name extensions showing the most commonly used extensions and their association with various software systems this dictionary is available in more than 100 languages see our website for pricing and availability wordsrus info catalog computer dictionary html

Dictionary of Computer and Internet Terms *2016-08-25*

this book aimed at general readers covers the entirety of computing history from antiquity to the present placing the story of computing into the broader context of politics economics society and more computers dominate the world we live in and this book describes how we got here the computer a brief history of the machine that changed the world covers topics from early efforts at mathematical computation back in ancient times such as the abacus and the antikythera device through babbage s difference engine and the hollerith tabulating machines of the 19th century to the eventual invention of the modern computer during world war ii and its aftermath the scope of the text reaches into the modern day with chapters on social media and the influence of computers and technology on recent elections the information in this book perfect for readers new to the topic or those looking to delve into the history of computers in greater detail can be accessed both chronologically and topically with chapters focusing on larger time periods as well as shorter subsections covering specific people and topics this book is designed to make the history of computing as approachable as possible

The Computer *2022-07-08*

the electronic digital computer has perhaps had more effect on people around the world than any other device invented by twentieth century man our lives are being influenced by these machines and in many cases are actually dependent on them a decade ago only a handful of teachers scientists engineers mathematicians and businessmen really understood the computer and its application to contemporary problems the purpose of this book is to show the almost unbelievably

wide range of computer applications medicine law engineering transportation business and education are only a few of the fields in which the computer has become a vital tool

Computers in Society *1974*

the pixelated rectangle we spend most of our day staring at in silence is not the television as many long feared but the computer the ubiquitous portal of work and personal lives at this point the computer is almost so common we don t notice it in our view it s difficult to envision that not that long ago it was a gigantic room sized structure only to be accessed by a few inspiring as much awe and respect as fear and mystery now that the machine has decreased in size and increased in popular use the computer has become a prosaic appliance little more noted than a toaster these dramatic changes from the daunting to the ordinary are captured in computer by design historian paul atkinson here atkinson chronicles the changes in physical design of the computer and shows how these changes in design are related to changes in popular attitude atkinson is fascinated by how the computer has been represented and promoted in advertising for example in contrast to ads from the 1970s and 80s today s pc is very pc genderless and largely status free computer also considers the role of the computer as a cultural touchstone as evidenced by its regular appearance in popular culture including the iconography of the space age hal from 2001 a space odyssey james bond s gadgetry and stars war and star trek computer covers many issues ignored by other histories of computing which have focused on technology and the economics involved in their production but rarely on the role of fashion in the physical design and promotion of computers and their general reception the book will appeal to professionals and students of design and technology as well as those interested in the history of computers and how they have shaped and been shaped by our lives

Computer 2010-08-15

a dictionary of computer and related technology terms includes descriptions of terms relating to computers computer programming and related technology

The Concise Computer Dictionary *2016-04-18*

in this insightful collection of essays maurice wilkes shares his unique perspective on the development of computers and the current state of the art these enlightening essays discuss the foundational ideas behind modern computing and provide a solid grounding for the appreciation of emerging computer technologies wilkes one of the founders of computing has provided enormous contributions to the development of computers including the design and construction of the edsac computer and early development of programming for a stored program computer he was responsible for the concept of microprogramming wilkes also wrote the first paper to appear on cache memories and was an early worker in the field of wide bandwidth local area networks in 1992 he was awarded the prestigious kyoto prize for advanced technology these essays will be of interest to everyone involved with computers and how they arrived at their present state wilkes presents his perspectives with keen historical sensibility and engineering practicality readers are

invited to consider these observations and form their own perspectives on the present state of the computer art

Encyclopedia of Computers and Computer History *2001*

dive into systems is a vivid introduction to computer organization architecture and operating systems that is already being used as a classroom textbook at more than 25 universities this textbook is a crash course in the major hardware and software components of a modern computer system designed for use in a wide range of introductory level computer science classes it guides readers through the vertical slice of a computer so they can develop an understanding of the machine at various layers of abstraction early chapters begin with the basics of the c programming language often used in systems programming other topics explore the architecture of modern computers the inner workings of operating systems and the assembly languages that translate human readable instructions into a binary representation that the computer understands later chapters explain how to optimize code for various architectures how to implement parallel computing with shared memory and how memory management works in multi core cpus accessible and easy to follow the book uses images and hands on exercise to break down complicated topics including code examples that can be modified and executed

<u>Computing Perspectives</u> *2014-06-28*

an active learning approach to teaching the main ideas in computing explorations in computing an introduction to computer science and python programming teaches computer science students how to use programming skills to explore fundamental concepts and computational approaches to solving problems tbook gives beginning students an introduction to

Dive Into Systems *2022-09-20*

this tenth edition is a technology update intended to bring computers abreast with a rampaging technology about six internet years pass in one real time year the elapsed time since the last edition the tenth edition retains the same familiar look and feel as the ninth edition however it contains hundreds of changes needed to ensure that long continues to be the most current introductory it book available includes over 150 new or updated images that reflect the latest releases and innovations in software numerous new photos show new hardware and applications throughout the book capacities and speeds for communications hardware disks ram processors printers and so on have been adjusted to reflect the state of the art provides essential information on hardware windows and networking procedures and on word processing e mail and browser software expanded presentation of ethics additional coverage of the internet and a new it illustrated section on careers gives readers an in depth look at career opportunities for it specialists and for it competent people for anyone who wants to advance their personal computing experience and skills and individuals considering careers as it specialists

Computer Science Principles 2022-04

contains nearly three hundred articles that provide information about various aspects of the computer sciences discussing the history of computing software and hardware the social applications of computers and the impact of computers on society includes illustrations time lines glossaries and indexes

Explorations in Computing 2014-09-24

systems management is emerging as the predominant area for computer science in the enterprise with studies showing that the bulk up to 80 of an enterprise it budget is spent on management operational issues and is the largest piece of the expenditure this textbook provides an overview of the field of computer systems and network management systems management courses are being taught in different graduate and undergraduate computer science programs but there are no good books with a comprehensive overview of the subject this text book will provide content appropriate for either an undergraduate course junior or senior year or a graduate course in systems management

Computers and Man *1982*

thomas dean explores a wide range of fundamental topics in computer science from digital logic and machine language to artificial intelligence and the world wide explaining how computers and computer programs work and how the various subfields of computer science are interconnected dean touches on a number of questions including how can a computer learn to recognize junk email what happens when you click on a link in a browser how can you program a robot to do two things at once are there limits to what computers can do dean encourages readers to experiment with short programs and fragments of code written in several languages to strip away the mystery and reveal the underlying computational ideas the accompanying website cs brown edu tld talk provides access to code fragments tips on finding and installing software links to online resources and exercises throughout talking with computers dean conveys his fascination with computers and enthusiasm for working in a field that has changed almost every aspect of our daily lives thomas dean is professor in the computer science department at brown university where he served as acting vice president for computing and information services from 2001 2002 he is co author of planning and control morgan kaufman 1991 and artificial intelligence theory and practice addison wesley 1995

Computers *2002*

today it seems that computers occupy every single space in life this book traces the evolution of computers from the humble beginnings as simple calculators up to the modern day jack of all trades devices like the iphone readers will learn about how computers evolved from humongous military issue refrigerators to the spiffy delicate and intriguing devices that many modern people feel they can t live without anymore readers will also discover the historical significance of computers and their pivotal roles in world war ii the space race and the emergence of modern western powers

Computer Sciences 2002

my interest in the history of digital computers became an active one when i had the fortune to come across the almost entirely forgotten work of percy ludgate who designed a mechanical program controlled computer in ireland in the early i icc s i undertook an investigation of his life and work during which i began to realise that a large number of early developments which we can now see as culminating in the modern digital computer had been most undeservedly forgotten hopefully historians of science some of whom are now taking up the subject of the development of the computer and accumulating valuable data particularly about the more recent events from the people concerned will before too long provide us with comprehensive analytical accounts of the invention of the computer the present book merely aims to bring together some of the more important and interesting written source material for such a history of computers where necessary papers have been translated into english but every attempt has been made to retain the flavour of the original and to avoid possibly misleading use of modern computing terminology

Principles of Computer Systems and Network Management *2010-01-23*

this book concerns the impact of the computers and their future potential it presents a personalized view of what has happened in the first twenty five years of modern computers and offers a critical evaluation of the present state of the art and the various applications of computers it concludes with an examination of what seems possible and likely to occur in the next twenty years

Talking with Computers 2004-03-15

doing for computers what strunk and white did for the english language the little book squeezes all the essentials into a few pages charles rubin author of 20 books on both macs and pcs makes computers easy by showing you what you need to develop a general sense of how to make computers behave as you wish

Computers and Their Applications *1993*

this history of the computer explores the roots of the industry s development tracing not only the development of the machine itself beginning with charles babbage s 1833 mechanical prototype but also chronicling the effects of manufacturing and sales innovations by companies that made the boom possible

The Evolution of Computer Technology 2018-07-01

an easy to understand guide to often confusing computer internet jargon internet and personal computing fads is an a to z reference book written in a straightforward style that s informative enough for library use but informal enough for general reading this essential guide takes a practical look at the most often seen computer and internet terms and describes them in easy to understand language from acceptable use policy aup to hypertext to y2k more than 100

entries are included featuring historical backgrounds popular and practical uses interesting fun facts and bibliographies detailed enough for reference use by academics the book has a natural tone that will appeal to students casual computer users and those who are intrigued by the chaotic fascinating but often frustrating and daunting morass of information known today as the world wide a perfect introduction to the world of computers and the internet this book presents brief jargon free explanations of terms representing a variety of fields of interest including general computer use business entertainment multimedia development and education you ll learn about artificial intelligence the history of computer hardware the mac vs pc debate internet domains such as com edu gov and others the meanings of commonly used e mail abbreviations including btw fyi lol and more distance learning the origin and meaning of the word cyberspace and a great deal more in clear and concise entries internet and personal computing fads will help you understand the meaning of terms including bandwidth biometrics bookmarks cad computer assisted design chat rooms clip art cookies cybercafé digital audio video imaging and cameras dot com e mail e books and e zines electronic publishing emoticons filtering freeware shareware gaming global positioning systems gps instant messaging internet advertising linux midi mp3 spam internet junk mail url usenet and many many more an everyday guide for enthusiasts and a perfect place to start for newcomers internet and personal computing fads is an easy to use handbook with wide ranging appeal it combines the comprehensive information you d expect from a reference book with a casual and colorful look at the histories and backgrounds of popular computer internet terms and concepts as a vital resource or an occasional reference this book is an exceptional value

The Origins of Digital Computers *2012-12-06*

the encyclopedia of computer science is the definitive reference work on computers computing and computer science since its first edition in 1976 the encyclopedia of computer science has been the authoritative source that students professionals and lay readers turn to for clear concise explanations of the latest technology and its applications including past present and predicted future trends in computer science arranged alphabetically the 660 articles are classified into sections covering the main themes of computing hardware software information and data software mathematics of computing theory of computation methodologies applications and computing milieux the encyclopedia also includes extensive appendices and name and subject indexes with its blending of historical perspective and practical reference information the encyclopedia of computer science is a must have for every collection

Man and the Computer *1972*

robert irwin travels back in time with his real life best friend in his third wild adventure robert and his best friend riley are visiting the canadian badlands in alberta with riley s uncle nate the badlands are home to more than 35 different species of dinosaur fossils robert and riley get pulled back in time to alberta canada during the late cretaceous period to find a heavily armored euoplocephalus trapped in vines the rescue doesn t go according to plan when a ferocious gorgosaurus arrives on the scene looking for a snack

Little Bk Computer Wisdom Prem Ed *1996-09*

examines the impact of computers on the cybernetic society and covers topics such as expert systems management applications and office automation the idea of a computer program is considered along with data banks and the movement and storage of information advances in computer technology are also discussed

Computer, Student Economy Edition *2015-12-08*

foundations of computer technology is an easily accessible introduction to the architecture of computers and peripherals this textbook clearly and completely explains modern computer systems through an approach that integrates components systems software and design it provides a succinct systematic and readable guide to computers providing a springboard for students to pursue more detailed technology subjects this volume focuses on hardware elements within a computer system and the impact of software on its architecture it discusses practical aspects of computer organization structure behavior and design delivering the necessary fundamentals for electrical engineering and computer science students the book not only lists a wide range of terms but also explains the basic operations of components within a system aided by many detailed illustrations material on modern technologies is combined with a historical perspective delivering a range of articles on hardware architecture and software programming methodologies and the nature of operating systems it also includes a unified treatment on the entire computing spectrum ranging from microcomputers to supercomputers each section features learning objectives and chapter outlines small glossary entries define technical terms and each chapter ends with an alphabetical list of key terms for reference and review review questions also appear at the end of each chapter and project questions inspire readers to research beyond the text short annotated bibliographies direct students to additional useful reading

Internet and Personal Computing Fads 2004-04-21

further computer appreciation is a comprehensive cover of the principles and aspects in computer appreciation the book starts by describing the development of computers from the first to the third computer generations to the development of processors and storage systems up to the present position of computers and future trends the text tackles the basic elements concepts and functions of digital computers computer arithmetic input media and devices and computer output the basic central processor functions data storage and the organization of data by classification of computer files identifying records and coding are also considered the book discusses as well the systems and management considerations programming and software and hardware systems the text is useful for computer science computer engineering and computer programming students

Encyclopedia of Computer Science *2000-01*

an active learning approach to teaching the main ideas in computing explorations in computing an introduction to computer science and python programming teaches computer science students how to use programming skills to explore

fundamental concepts and computational approaches to solving problems tbook gives beginning students an introduction to computer science concepts and computer programming designed for cs0 and cs1 courses it is very well suited for alternative lecture styles including flipped classrooms prepares students for advanced work in computer science a revised and updated version of the author s explorations in computing an introduction to computer science this text incorporates two major differences it now uses python instead of ruby as the lab software so that students can seamlessly transition from introductory projects to more advanced studies in later courses the book also introduces python programming providing students with sufficient programming skills so they can implement their own programs practical step by step projects the interactive lab projects in each chapter allow students to examine important ideas in computer science particularly how algorithms offer computational solutions to problems students can type expressions view results and run experiments that help them understand the concepts in a hands on way resources the python software modules for each lab project are available on the author s website the modules include data files and sample python code that students can copy and modify in addition the site provides a lab manual of installation instructions and tips for editing programs and running commands in a terminal emulator

A Brief History of Computing *2008*

from one of the editors of the renowned book beyond calculation acclaimed by the new york times for its astonishing intellectual reach comes a new collection of equal brilliance focusing on the impact of computers on humans talking back to the machine features essays on how computers will affect the ways we live learn teach communicate and relate to each other in the coming decades outstanding contemporary thinkers describe the myriad ways both good and bad in which our lives will be altered by information technology and what we can do to influence these changes talking back to the machine is a must read for anyone who is interested in technology and society

Computers and the Cybernetic Society 1977

computer a history of the information machine traces the history of the computer and shows how business and government were the first to explore its unlimited information processing potential old fashioned entrepreneurship combined with scientific know how inspired now famous computer engineers to create the technology that became ibm wartime needs drove the giant eniac the first fully electronic computer later the pc enabled modes of computing that liberated people from room sized mainframe computers this third edition provides updated analysis on software and computer networking including new material on the programming profession social networking and mobile computing it expands its focus on the it industry with fresh discussion on the rise of google and facebook as well as how powerful applications are changing the way we work consume learn and socialize computer is an insightful look at the pace of technological advancement and the seamless way computers are integrated into the modern world through comprehensive history and accessible writing computer is perfect for courses on computer history technology history and information and society as well as a range of courses in the fields of computer science communications sociology and management provided by publisher

Foundations of Computer Technology 2020-10-25

this text asks how we can ensure that computers are used for socially beneficial purposes these papers represent an integration of research into technological and social aspects of computer technology that is relevant to the individual citizen

Further Computer Appreciation *2014-05-19*

Explorations in Computing *2020-09-30*

Talking Back to the Machine *2012-12-06*

Computer 2018

Early British Computers *1980*

Computers and Society *1993*