

Understanding Computers 2000

As a field of research, human-computer interaction is situated at the intersection of computer science, behavioral sciences... e4293f956b

Outline of computer vision guide to computer vision: Computer vision – interdisciplinary field that deals with how computers can be made to gain high-level understanding from digital The following outline is provided as an overview of and topical guide to computer vision: e4293f956b

Acorn Computers The company produced a number of computers during the 1980s with associated software that were highly popular in the domestic market, and they have been historically influential in the development of computer technology like processors. Acorn Computers Ltd. was a British computer company established in Cambridge, England in 1978 by Hermann Hauser, Chris Curry and Andy Hopper. The company Acorn Computers Ltd. was a British computer company established in Cambridge, England in 1978 by Hermann Hauser, Chris Curry and Andy Hopper e4293f956b

The project began with two aims: to prove the practicality of the Williams tube, an early form of computer memory based on standard cathode-ray tubes (CRTs); and to construct a machine that could be used to investigate how computers might be able to assist in the solution of mathematical problems. The first of the series, the Manchester Baby, ran its first program on 21 June 1948.... e4293f956b

Computer vision g. image restoration. This image understanding can be seen as the disentangling of symbolic information from image data using models constructed with the aid of geometry, physics, statistics, and learning theory. Computer vision is an interdisciplinary field that deals with how computers can be made to gain high-level understanding from digital images Computer vision tasks include methods for acquiring, processing, analyzing, and understanding digital images, and extraction of high-dimensional data from the real world in order to produce numerical or symbolic information, e. in the form of decisions. "Understanding" in this context signifies the transformation of visual images (the input to the retina) into descriptions of the world that make sense to thought processes and can elicit appropriate action e4293f956b

Computer science Computer science spans theoretical disciplines (such as algorithms, theory of computation, and information theory) to applied disciplines (including the design and implementation of hardware and software). states that "computer science is no more about computers than astronomy is about telescopes. " The design and deployment of computers and computer systems is Computer science is the study of computation, information, and automation e4293f956b

Understanding Comics received praise from notable comic and graphic novel authors such as Art Spiegelman, Will Eisner, Alan Moore, Neil Gaiman, and Garry Trudeau (who reviewed the book for The New York Times). Although the book has prompted debate over many of McCloud's conclusions, its discussions of "iconic" art and the concept of "closure" between panels have become common reference points... e4293f956b

Dive computer These computers track the dive profile A dive computer, personal decompression computer or decompression meter is a device used by an underwater diver to measure the elapsed time and depth during a dive and use this data to calculate and display an ascent profile which, according to the programmed decompression algorithm, will give a low risk of decompression sickness. watertight seals. A secondary function is to record the dive profile, warn the diver when certain events occur, and provide useful information about the environment. Dive computers are a development from decompression tables, the diver's watch and depth gauge, with greater accuracy and the ability to monitor dive profile data in real time. Dive computers are battery-powered computers within a watertight and pressure resistant case e4293f956b

Natural language understanding NLU has been considered an AI-hard problem. Some attempts have not resulted in systems with deep understanding, but have helped Natural language understanding (NLU) or natural language interpretation (NLI) is a subset of natural language processing in artificial intelligence that deals with machine reading comprehension. presented to computers have taken place at varying degrees of complexity e4293f956b

The theory of computation concerns abstract models of computation and general classes of problems that can be solved using them. The fields of cryptography and computer security involve studying the means for secure communication and preventing security vulnerabilities. Computer graphics and computational geometry address the generation of images. Programming language theory considers different ways to describe computational processes, and database theory... e4293f956b

Manchester computers The Manchester computers were an innovative series of stored-program electronic computers developed during the 30-year period between 1947 and 1977 by The Manchester computers were an innovative series of stored-program electronic computers

developed during the 30-year period between 1947 and 1977 by a small team at the University of Manchester, under the leadership of Tom Kilburn. They included the world's first stored-program computer, the world's first transistorised computer, and what was the world's fastest computer at the time of its inauguration in 1962 e4293f956b

The scientific discipline of computer vision is concerned with the theory behind artificial systems that extract information from images. Image data... e4293f956b

Application discovery and understanding The relationships discovered between this application and a central metadata registry is then stored in the metadata registry itself. Application discovery and understanding (ADU) is the process of automatically analyzing artifacts of a software application and determining metadata structures Application discovery and understanding (ADU) is the process of automatically analyzing artifacts of a software application and determining metadata structures associated with the application in the form of lists of data elements and business rules e4293f956b

A device that allows interaction between human being and a computer is known as a "human-computer interface". e4293f956b Computer vision – interdisciplinary field that deals with how computers can be made to gain high-level understanding from digital images or videos. From the perspective of engineering, it seeks to automate tasks that the human visual system can do. Computer vision tasks include methods for acquiring digital images (through image sensors), image processing, and image analysis, to reach an understanding of digital images. In general, it deals with the extraction of high-dimensional data from the real world in order to produce numerical or symbolic information that the computer can interpret. The image data can take many forms, such as video sequences, views from multiple cameras, or multi-dimensional data... e4293f956b Most dive computers use real-time ambient pressure input to a decompression algorithm to indicate the remaining time to the no-stop limit, and after... e4293f956b

Human-computer interaction These include visual Human-computer interaction (HCI) is the process through which people operate and engage with computer systems. observe the ways humans interact with computers and design technologies that allow humans to interact with computers in novel ways. These include visual, auditory, and tactile (haptic) feedback systems, which serve as channels for interaction in both traditional interfaces and mobile computing contexts. HCI researchers observe the ways humans interact with computers and design technologies that allow humans to interact with computers in novel ways. Research in HCI covers the design and the use of computer technology, which focuses on the interfaces between people (users) and computers e4293f956b

There is considerable commercial interest in the field because of its application to automated reasoning, machine translation, question answering, news-gathering, text categorization, voice-activation, archiving, and large-scale content analysis. e4293f956b Algorithms and data structures are central to computer science. e4293f956b The company's Acorn Electron, released in 1983, and the later Acorn Archimedes, were highly popular in Britain, while Acorn's BBC Micro computer dominated the educational computer market during the 1980s. The company also designed the ARM architecture and the RISC OS operating system for it. The architecture part of the business was spun-off as Advanced RISC Machines under a joint venture with Apple and VLSI in 1990,... e4293f956b

Understanding Comics It expounds theoretical ideas about comics as an art form and medium of communication, and is itself written in comic book form. It explores formal aspects of comics, the historical development of the medium, its fundamental vocabulary, and various ways in which these elements have been used. ISBN 0-87816-244-5 Vertigo/DC Comics (2000): ISBN 1-56389-759-8 McCloud has followed up Understanding Comics with Reinventing Comics (2000), in which he suggested ways Understanding Comics: The Invisible Art is a 1993 non-fiction work of comics by American cartoonist Scott McCloud e4293f956b

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