

<<计算机专业英语>>

图书基本信息

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前言

本书以培养学生的实际技能为目标，具体内容紧跟IT领域新技术的发展，力求提高计算机相关专业学生的英语阅读和翻译能力，使读者能从英文原版资料中汲取知识营养，为日后在工作中熟练阅读英文技术资料、利用英语解决实际问题打下坚实的基础。

本书的内容包括计算机基础知识、计算机硬件、计算机软件、数据库技术、计算机编程、软件工程、计算机网络、多媒体技术、计算机相关行业工作场景及软件外包等。书中节选的材料，不仅涵盖了计算机领域的基础知识、反映IT技术最新的发展方向，还增加了IT工作环境和软件外包等特色内容。

本书选材广泛、内容充实、新颖实用。全书共分10章，每章包括课文、阅读材料、练习、实训及实用技能。课文介绍基础知识及核心技术，阅读材料说明了发展动态。实训包括计算机硬件的操作、软件的安装和卸载、数据库软件的使用、可视化开发工具的使用、利用网络搜索相关信息等。实用技能主要介绍求职简历、计算机硬件说明书及计算机软件开发过程中所需的需求规格说明书、系统设计说明书、测试报告和软件变更说明书的写法等。

本书在编写过程中，得到了赵泉教授的大力支持，毕丛娣教授和王海东教授提出了很多宝贵的意见，李海红老师对全书的语法进行了校对。在此，对这些老师表示衷心的感谢。

另外，还要感谢陈广山、郭群、王永刚、裘志华、任昌荣、刘玉江、续蕾、马明、任华新、谢宏武、孙静、张春明、张飞侠等人的热心帮助。

由于作者水平有限，书中难免存在疏漏，恳请广大读者提出宝贵意见。

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内容概要

本书全面系统地介绍了计算机相关领域的知识，内容包括计算机基础知识、计算机硬件、计算机软件、数据库技术、计算机编程、软件工程、计算机网络、多媒体技术、计算机相关行业工作场景及软件外包等。

本书选材广泛、内容完整、新颖实用。

每章包括课文、阅读材料、练习、实训及实用技能等。

实训内容包括计算机硬件的操作、实用软件的使用、数据库软件的使用、利用网络搜索相关信息等。

实用技能主要介绍求职简历、计算机硬件说明书及计算机软件开发过程中所需的各种说明书的写法等。

本书既可作为高职高专计算机类专业的专业英语教材，也可作为广大计算机使用者的参考书。

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章节摘录

Most people can formulate a mental picture of a computer, but computers do so many things and come in such a variety of shapes and sizes that it might seem difficult to distill their common characteristics into an all-purpose definition. At its core, a computer is a device that accepts input, processes data, stores data, and produces output, all according to series of stored instructions. Computer input is whatever is typed, submitted, or transmitted to a computer system[21]. Input can be supplied by a person, by the environment, or by another computer. Examples of the kinds of input that a computer can accept include words and symbols in a document, numbers for a calculation, pictures, temperatures from a thermostat, audio signals from a microphone, and instructions from a computer program. An input device, such as a keyboard or mouse, gathers input and transforms it into a series of electronic signals for the computer to store and manipulate. In the context of computing, data refers to the symbols that represent facts, objects, and ideas[3]. Computers manipulate data in many ways, and this manipulation is called processing. The series of instructions that tell a computer how to carry out processing tasks is referred to as a computer program, or simply a "program". These programs form the software that sets up a computer to do a specific task. Some of the ways that a computer can process data include performing calculations, sorting lists of words or numbers, modifying documents and pictures, and drawing graphs. In a computer, most processing takes place in a component called the central processing unit (CPU), which is sometimes described as the computer's "brain".

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