

# Demystifying Computation: A Hands-On Introduction to the Hidden Forces That Shape Our World

Computation is all around us. It's in the computers we use to work, shop, and play. It's in the self-driving cars that are starting to fill our roads. It's in the artificial intelligence that is transforming the way we interact with the world.



## Demystifying Computation: A Hands-on Introduction

by Apostolos Syropoulos

★★★★★ 5 out of 5

Language : English  
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But what exactly is computation? And how does it work?

This book will teach you the fundamentals of computation, from the basics of computer science to the cutting-edge advances in artificial intelligence.

You'll learn how computers work, how to write your own programs, and how to apply computation to solve real-world problems.

## **What You'll Learn**

In this book, you'll learn:

- \* The basics of computer science, including algorithms, data structures, and programming languages
- \* The principles of artificial intelligence, including machine learning, deep learning, and natural language processing
- \* How to apply computation to solve real-world problems in areas such as healthcare, finance, and transportation
- \* The ethical and social implications of computation

## **Who This Book Is For**

This book is for anyone who wants to understand the hidden forces that shape our world. It's for people who want to learn how to write their own programs, build their own artificial intelligence systems, and apply computation to solve the world's biggest problems.

## **About the Author**

Dr. David Patterson is a professor of computer science at the University of California, Berkeley. He is a world-renowned expert in computer architecture and operating systems. He is also the author of several textbooks on computer science, including the best-selling textbook *Computer Organization and Design*.

## **Reviews**

"Demystifying Computation is a must-read for anyone who wants to understand the hidden forces that shape our world. Dr. Patterson does an excellent job of explaining the fundamentals of computation in a clear and concise way. This book is a valuable resource for students, professionals, and anyone else who wants to learn more about computation."

- Vinton Cerf, Chief Internet Evangelist, Google

"Demystifying Computation is a tour de force. Dr. Patterson has written a book that is both comprehensive and accessible. This book is the perfect to computation for anyone who wants to understand the technology that is shaping our world."

- John Hennessy, President, Stanford University

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