

INTERACTIVE COURSE

Data Structures and Algorithms in Python

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●●● Advanced

⌚ 4 hours

▶ 16 videos

<> 49 exercises

👤 20,497 participants

4050 XP

Description

Most computer programs are based on a few data structures and algorithms. Learn about what's behind the hood of most of your computer interactions in this four-hour course! You'll familiarize yourself with some of the most common data structures: linked lists, stacks, queues, graphs and trees. You'll also implement popular algorithms, such as Depth First Search, Breadth First Search, Bubble

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1 Work with Linked Lists and Stacks and Understand Big O notation

100%

You'll begin by learning what algorithms and data structures are. You will discover two data structures: linked lists and stacks. You will then learn how to calculate the complexity of an algorithm by using Big O Notation.

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2 Queues, Hash Tables, Trees, Graphs, and Recursion

100%

This second chapter will teach you the basics of queues, hash tables, trees, and graphs data structures. You will also discover what recursion is.

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RESOURCES

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Your learnings in one place

PREREQUISITES

 [Introduction to Object-Oriented Programming in Python](#)

PART OF THESE TRACKS

[Python Developer](#)
[Python Programming Toolbox](#)



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