Computer Science & Programming

LEVEL 2

2.2 Introduction to Algorithms

Learn how to make a computer do what you want, elegantly and efficiently.

15 Lessons

1 Building Blocks

- Pseudocode
- Conditional Algorithms
- Repetition

2 Storing Information

- Manipulating Numbers
- Arrays
- Searching an Array

3 Array Algorithms

- Binary Search
- Sorting an Array
- Insertion Sort

4 Stable Matching

- The Stable Matching Problem
- Using Greediness
- Deferred Acceptance Algorithm

5 Algorithmic Complexity

- Correctness
- Termination
- Variants

Up next

Computer Science & Programming

LEVEL 3

3.1 Algorithms and Data Structures

The fundamental toolkit for the aspiring computer scientist or programmer.

Visit course