

**Document Generated:** 10/18/2024

**Learning Style:** On Demand

**Provider:**

**Difficulty:** Beginner

**Course Duration:**

## Data Structures and Algorithm Theory



Data Structures and Algorithm Theory

### **Course Outline:**

This Course Includes:

- Course Introduction

- Module 1: Big O notation
- Module 2: Basic Data Structures: Lists, Dictionaries, Tuples, Stacks, and Queues
- Module 3: Recursion
- Module 4: Linked Lists and Binary Trees
- Module 5: Heaps and Sorting
- Module 6: Dynamic Programming
- Course Summary
- Final Exam

## Credly Badge:



### **Display your Completion Badge And Get The Recognition You Deserve.**

Add a completion and readiness badge to your LinkedIn profile, Facebook page, or Twitter account to validate your professional and technical expertise. With badges issued and validated by Credly, you can:

- Let anyone verify your completion and achievement by clicking on the badge
- Display your hard work and validate your expertise
- Display each badge's details about specific skills you developed.

Badges are issued by QuickStart and verified through Credly.

[Find Out More](#) or [See List Of Badges](#)