

If you read this post, then you've decided to make your first steps into the fascinating world of computer science. Congratulations!

In this article, I will try my best to help you to begin your journey on the right foot.

Let's begin.

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Introduction

Computer science is a field of study that deals with computation and information. It includes several fields such as: theory of computation, algorithms, computational problems, etc [1].

Before we start realizing what any of it means, let's start by talking about what is a computer.

What is a Computer?

A computer is an electronic device capable of processing a pre-given sequence of commands.

Let's have a look at several electronic devices from our daily lives, and ask ourselves whether or not they are computers:



Algorithm

Alan Turing

Turing Machine

PC - The Personal Computer

Main Components

Mother-Board

CPU - Central Processing Unit

Volatile Memory

Extension Cards

Non-volatile Memory

HDD - Hard Disk Drive

SSD - Solid State Drive

Power Supply

Case

Sources

[1] [Wikipedia - Computer Science](#)