

COMPUTER SCIENTIST

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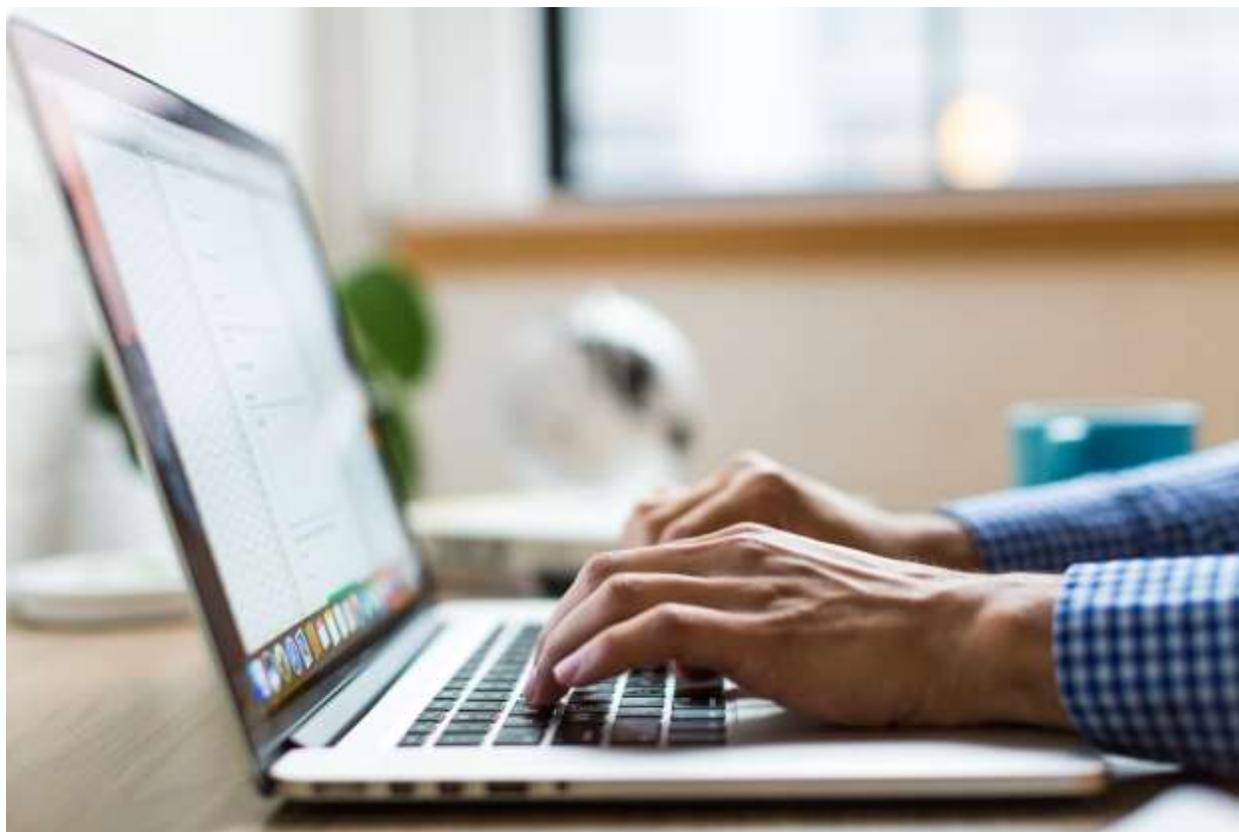
WHO IS A COMPUTER SCIENTIST?

The first electronic computer weighed more than 27 tons and took up 1800 square feet of space.

Today, computers are a very important and integral part of our everyday lives and communication. The power and capabilities of computers has increased as they become smaller and more compact in size and style.

Computer science is the study of theoretical foundations of information and computation and their applications.

A computer scientist invents and designs new approaches to computing technology and finds innovative ways for existing technology. This person typically works on the theoretical side of the computer system as opposed to the hardware side that computer engineers usually focus on.



The ultimate goal of a computer scientist is to develop or validate models, often mathematical in nature, to describe the properties of computer-based systems, computers interacting with people or computers interacting with other computers to yield useful benefits.

WHAT THE WORK INVOLVES?

A typical day for a computer scientist might include:

- Analysing the results of their experiments
- Inventing new computing languages and tools
- Improve the way in which people work with computers
- Developing and improving software systems
- Writing new computer programs
- Running computer programs
- Developing new hardware or computing techniques and materials
- Investigating technological topics like artificial intelligence, robotics and virtual reality

A computer scientist also spends time focusing on areas such as data structure, algorithms, information and data-based theories.

As a computer scientist you will find work in government agencies, private software developers, engineering firms and academic institutions and many more places.

WHO IS THIS CAREER FOR?

A computer scientist must be able to think logically and have good communication skills. They often deal with multiple tasks simultaneously this ability is a must as are the ability to concentrate and pay close attention to details. Even though you often time times work independently being a team player is required when working on large projects.

WHAT CAN I EARN?

Computer science is one of the highest paying fields in this area. Get a job in the right company or organization and you will be smiling all the way to the bank. Your salary will depend on the institution in which you work, your position, experience and your level of education attained whether a bachelor's or post-graduate degree but you will be amply and adequately rewarded.

HOW DO I QUALIFY?

To become a computer scientist, make sure during your secondary school years that your classes include mathematics, IT, chemistry and physics. For your tertiary level education you will need a master's degree in computer science or a related field such as computer engineering.

WHO OFFERS TRAINING IN JAMAICA?

The University of the West Indies

The University of Technology

Northern Caribbean University

University of the Commonwealth Caribbean

Vector Technology Institute

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