



# <WHAT IS> SOFTWARE DEVELOPMENT?

From text messages to video games, software development is at the **heart of the programs we use every day.**

Computer engineers, computer scientists, web designers and other professionals in the field use creativity, math and logic to organize **small pieces of information called code.**

When assembled and executed by a computer, **code commands our devices** to stream music and videos, run our favorite apps and websites, and will eventually drive our cars.

The software industry is **thriving and will continue to grow** alongside demand for the hottest new devices and technology.

## HOW DO I GET STARTED?

Software developers typically complete a university degree or college diploma in computer science or software engineering.

These programs sometimes include paid internships, which give students a chance to immerse themselves in the field.



# <TOP FIVE REASONS TO> **CHOOSE A CAREER** *in Software Development*

<1>

## ***Flexibility***

From couches to coffee shops, you can take your work anywhere! Many employers offer work from home arrangements, and other great benefits.

<2>

## ***Job Availability***

Jobs are plenty, and salaries are high in software development. The industry is growing quickly — according to the Government of Canada's Job Bank, there will be as many as 20,000 new jobs by 2026 with salaries up to \$66 an hour for some positions.

<3>

## ***Creativity***

Software development is an art and a science. While developers need strong math and logic skills for coding, they also need to be creative to brainstorm innovative ideas.

<4>

## ***Challenging***

Software developers are never bored! Whether they are building a new program, or fixing bugs in an existing application, a developer's work is fast paced, and there are always new problems to solve.

<5>

## ***Rewarding***

Do you love the challenge of creating something from nothing? The satisfaction of finishing a project you're proud of? A career in software development offers a unique opportunity to collaborate with innovative people on products that make a difference.

