

# YOUSSEF SAMAAAN

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## EDUCATION

### McGill University

#### Bachelor of Computer science

Sep 2021 - Jun 2024 (expected)

- Courses currently taking: Calculus3, Linear algebra, Discrete structures, Intro to computer science, Intro to software systems
- Winter courses: Probability, Statistics, Programming lang & paradigms, Intro to computer systems, Algorithms and data structures

### TAV College

#### Pure and applied science DEC

Sep 2019 - Jun 2021

- R score 32
- Placed on the Dean's list all 4 semesters

## PROJECTS

### Personal website

- I built this website to showcase my projects, skills, education, and experience.
- This website is also responsive to all devices and it has dark mode too.

### Solar System

- Programmed a realistic solar system.
- The velocities and the force of each entity onto the other to calculate their new position.
- A non-elastic simulation for when two entities collide with each other.
- Different simulations with different starting parameters were created if you wanted to try them.

### The shortest path for a knight (chess piece)

- Developed an algorithm to find the shortest path that the knight needs to take to go from one coordinate to another.
- It uses the Pythagorean theorem and different if-statements to find the next point.

### Sudoku Solver

- Programmed a Python script that can solve sudoku puzzles.

## SKILLS

Programming/scripting languages: Python, Java, MATLAB, C, Bash, Unix/Linux, Git, HTML, CSS

## WORK EXPERIENCE

### Inventory Associate, RGIS

Jun 2021 - Aug 2021

- Worked alongside a team to do the inventory at different stores.

## OTHER

Languages: English, French, Arabic

Hobbies: Traveling, League of Legends, Drawing, Football (soccer)