

YOUSSEF SAMAAAN

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EDUCATION

McGill University

Bachelor of Computer science, GPA 3.74

Sep 2021 - Jun 2024 (expected)

- Courses: Intro to computer science (OOP), Intro to software systems, Programming lang & paradigms (functional programming), Software Design, Algorithms and data structures, Probability, Calculus3, Linear algebra, and Discrete 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

Event Management System

- Designed a Festival management System that allows a person to create Festivals, Concerts, Workshops, Galas, Screenings, and Coming soon Events.
- Added extra functionality such as calculating profit, and filtering.

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.
- Used the velocities and the force of each entity onto the other to calculate their new position.
- Used 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.
- One algorithm uses the Pythagorean theorem another uses different if-statements to find the next point and finally, One that takes $O(1)$ time and $O(1)$ space complexity.

SKILLS

Programming languages: Python, Java, Ocaml, MATLAB, C, Bash, Unix/Linux, Git, HTML, CSS, SQL.

WORK EXPERIENCE

Intern Data Science Analyst and Programmer, DermBiont

May 2022 - Present

Inventory Associate/Specialist, RGIS

Jun 2021 - Aug 2021

- Worked alongside a team to do the inventory at different stores.
- Got promoted to Inventory Specialist after 2 months

OTHER

Languages: English, French, Arabic

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