Sartaj Grewal

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Education

Louise Arbour Secondary School | Brampton, ON
Graduated June 2022 | Honor Rolls – 94% Avg

University of Western Ontario | London, ON
Honors of Science in Computer Science

Experience

Your Sweet Spot Life, Remote, Intern   December 2023 – Present
Website/App Developer
- Revamped digital platform with **integrated CRM** for better customer interaction.
- Enhanced design for improved responsiveness and ease of use.
- Directed project with expertise in **web development** and strategic company alignment.

Western Quantum Club   September 2023 – Present
Software Team Director
- Learning the basics of **Quantum Computing** and **Qiskit**
- Leading the software team to utilize Qiskit and **python** to create projects based on quantum computing

Western Developer Society   October 2022 – March 2023
Software Developer
- Gained problem-solving skills on a **tight deadlines**
- Effective **communication** and **collaboration** skills
- Developed additional in-depth skills in **Python** and **Java**

Medlife   September 2021 – June 2022
Director - Co-Founder
- Helps Raise Money for Third Country Families in Need → Raised Over $1000 USD
- Built a website for this club using **HTML** and **JavaScript**
- Gained skills such as **leadership**, **communication**, **collaboration**, being responsible and much more

LA Wrestling Team   September 2018 – June 2022
Team Captain
- 2x Gold Medalist in ROPSAA and 2x Bronze Medalist in OFSAA
- Put my **Leadership** and **Team Management** skills to the test

Projects

ProBot - Python
- Developed **educational game** designed to teach new programmers **coding fundamentals** through engaging, task-based challenges
- Players guide a robot to perform tasks like navigating to a box, picking it up, and moving it to a designated area, emphasizing efficient **problem-solving** with minimal code.
- Incorporated a scoring system based on achieving tasks with the fewest lines of code, promoting **effective coding practices**.

PySnake - Python
- Focused on responsive player controls through event **handling and collision detection**
- Demonstrated expertise in **dynamic object creation** and **data manipulation** by implementing snake growth mechanics.
- Utilized basic **UX/UI** elements

PyPong - Python
- Intuitive user interface design to enhance player interaction
- Implemented **responsive event handling** for precise paddle control, improving game dynamics
- Integrated advanced collision detection between the ball and paddles to increase game realism

Skills

Data Structures and Algorithms ▪ Software Engineering Principles ▪ Java ▪ Python ▪ C ▪ Unix ▪ HTML ▪ CSS ▪ JS ▪ SQL ▪ Github