

Diane Oxales

Email: diane francesco@gmail.com #: 613-410-1853 Portfolio: <http://dianeoxales.github.io/portfolio/>

Self-starter software engineering student passionate about working in team settings to develop innovative solutions. Strong analytical thinker with excellent problem-solving skills and effective communication, eager to contribute to dynamic software development projects.

Education

Carleton University 09/23 - Present

- Bachelor of Computer Science Honours, Stream: Software Engineering, Co-op
- Second Year Standing 3.80/4 (A)

Saint Joseph Highschool - 09/18 - 06/23

- Ontario Secondary School Diploma
- Honours Grade: 8,9,10,11,12

Skills Summary

- **Languages:** HTML, CSS, C, JavaScript, Python, Java, Deno
- **Databases/OS:** Windows, MacOS
- **Tools:** Microsoft Word, Google Tools, VSCode, Inheritance, Encapsulation in Java
- **Soft Skills:** Critical Thinking, Problem-Solving, Effective Communication

Work Experience

Tutoring 03/25 – Present

- Teach Mathematics (Grade 1-12), and Chemistry (Grade 11-12) to strengthen the understanding of students in areas of struggle.
- Provide practice problems and advice to meet the goals of the student.
- Collaborate with parents to align teaching strategies with academic goals, ensuring transparent communication and success.

Babysitter 07/24 - Present

- Organized daily schedules for children to follow, ensuring security & familiarity.
- Maintained a clean & structured environment to prevent child injuries.
- Created daily plans to engage the children in educational and recreational activities.

Cashier 03/23 - 06/23

- Handled transactions efficiently while providing excellent customer service.
- Responded to customer complaints tactfully and effectively resolved issues.
- Operated in a fast-paced environment while managing multiple tasks under pressure.

Projects

CUIInSpace Flight Simulator - C

- Implemented dynamic memory management to use memory only when necessary.
- Ensured concurrency in the program using threads & semaphores.
- Worked with linked lists for easy insertion & deletion when provided large amounts of data.

Auto Park Graphical User Interface (GUI) - Java

- Developed a graphical user interface using the Model, View, Controller (MVC) paradigm in Java.
- Implemented different access modifiers to ensure security from outside users.

Volunteer**Camp Music Ministry Head 10/23 - 11/23**

- Managed multimedia & audio for events, ensuring smooth presentations.

Tech Booth Controller 03/18 - 06/23

- Managed multimedia & audio for events, ensuring smooth presentations.