Joshua Desroches

Ajax, Ontario | josh.des.21@gmail.com | 647-355-9303 | https://myportfolio-vcg1.onrender.com/

Software Engineering Technology student specializing in Game Programming, with expertise in **C#, Java, C++, and Full Stack Development**. Passionate about problem-solving, Agile collaboration, and contributing to national security initiatives.

Technical Skills

- **Programming Languages:** C#, Java, Python, C++, JavaScript, HTML/CSS, SQL, Shell Script.
- **Security & Infrastructure**: Linux (Ubuntu), secure SDLC, network protocols.
- **Tools & Technologies**: Unity, Unreal Engine, GitHub, MySQL, Oracle DB, Visual Studio / VS Code, MERN Stack.
- **Methodologies**: Agile/Scrum, UML.
- **Soft Skills**: Strong problem-solving and critical thinking abilities, effective in both team-based and independent work environments.
- **Other Software**: Microsoft Office Suite, Google Apps Suite, Visio, Visual Paradigm, MS Teams, Zoom.

Education

Game Programming (Co-op) Advanced Diploma **Sept. 2023 - Present**
Centennial College, Scarborough, ON 4.0/4.5 (A) GPA

Relevant Courses:

C# Programming	Software Requirements & Design	C++ Programming
Linux Operating Systems	Testing & Quality Assurance	Game Development
Web Application Development	Database Concepts (SQL)	Java Programming

Projects & Technical Experience

LINX - Online Job Board – MERN Stack
- Designed and developed an online job board.
- Implemented full CRUD operations for users, jobs, and companies.
- Developed using Material UI for a sleek, professional, webpage with high performance ratings.

Time Rift - Unity/C# Puzzle Shooter Game
- Developed in Unity 2D, using C#, third-party assets and packages.
- Implemented advanced AI enemy navigation, environment interaction, player combat mechanics, and level progression with increased difficulty.
- Personally designed levels, implemented various features and developed advanced systems for player immersion and entertainment.

Backrooms into the Subrooms - JavaFX Adventure Game
- Developed using JavaFX and core Java libraries.
- Built a custom GUI to provide responsive and interactive gameplay.
- Integrated randomized encounters, and dynamic event triggers to allow for replayability.

Joshua Desroches

Ajax, Ontario | josh.des.21@gmail.com | 647-355-9303 | https://myportfolio-vcg1.onrender.com/

Work Experience

Peak Front-End Loader | Lowes/Rona, Pickering, ON   **Aug. 2022 - Present**

- Retrieve customer orders and load into their vehicle(s), providing courteous customer service.
- Assist other associates in various departments as needed, including merchandising, stock management support and front-line customer service.
- Help build a safe and healthy work environment by building positive professional relationships with associates and customers.

Sales Associate | We Got Gamez, Ajax, ON   **Feb. 2023 - Dec. 2023**

- Test and clean video game systems and accessories for re-sale.
- Provide friendly and informative customer service, providing information about various systems and recommending game products based on individualized age, interest and budget.
- Use the Point of Sales system to process customer transactions.
- Maintain store appearance and inventory, including following loss prevention processes.

Elections Revision Officer | Town of Ajax, Ajax, ON   **October 2022**

- Assist Town of Ajax residents with voter inquiries
- Complete service transactions using VoterView application
- Search for voter profiles via the voter list
- Create, edit, or delete voter profiles
- Issue Voter Information Letter and voter PIN