

SOFTWARE DEVELOPER

Data Structures | Object Oriented Programming | Problem Solving

PROFESSIONAL SUMMARY

- Currently enrolled in an Advanced Diploma in Software Engineering Technology – AI
- Skilled in Java, Python, C#, C++, HTML, JavaScript, CSS, and SQL for web and software development.
- Adaptive and **Agile**, able to rapidly pivot your efforts between multiple priorities.
- Competent in **Git version control** system and using Git for source code management.
- **Strong communication** skills. I thrive in a team environment.
- Proficient in Office 365 apps, IntelliJ IDEA, Visual Studio Code, Visual Studio, and more.

EDUCATION

Software Engineering Technology - AI Advanced Diploma (4.1/4.5 GPA) Exp. Grad: Dec. 2025
Centennial College, School of Engineering Technology and Applied Science, Toronto, ON

Related courses include:

Programming I, II, III

Software Eng Fundamentals

Functions & Number Systems

Web Interface Design

Software Requirements Eng

Discrete Mathematics

Web App Development

Software Systems Design

Linear Algebra & Statistics

RELATED PROJECTS

3D Engine Using OpenGL and LWJGL (Java, GLSL)

- Employs advanced rendering techniques include transparency, lighting, normal mapping, shadows, antialiasing, anisotropic filtering and more.
- Implements realistic flat-water simulation with reflections using DuDv and normal maps, with clipping planes, soft edges, and the Fresnel effect.
- Uses custom shaders written in GLSL for static, dynamic, and terrain models.

Chess Engine (Java)

- Implements algorithms and techniques such as Minimax with Alpha-Beta Pruning, move ordering, transposition tables and quiescence search.
- Possesses an adequate evaluation function that fairly assesses the chessboard's position to determine which side is winning.
- Contains a custom and interactive user interface with draggable chess pieces and visual effects.

Sand Simulator (Java)

- Developed exclusively using standard java libraries utilizing Java Swing and Java Awt for graphics and user input.
- Contains a diverse set of particles for countless interactions between them.
- Optimized performance for large quantities of particles and fluids to handle their collisions, interactions, and renders.

OTHER WORK EXPERIENCE

Snowboard Instructor (Dec. 2017 – Mar. 2020)

Poley Mountain, Sussex, NB

- Instructed students in snowboarding techniques, emphasizing strong communication skills.
- Prioritized safety by maintaining a keen awareness to ensure the well-being of all students.
- Demonstrated leadership and teamwork abilities while coordinating group lessons.

Special Care Home Volunteer (June 2019 – April 2021)

Scenic View Special Care Home, Apohaqui, NB

- Demonstrated patience and active listening to understand residents' needs and preferences.
- Collaborated effectively as part of a team with healthcare professionals and fellow volunteers.
- Utilized strong interpersonal skills to build rapport and foster a positive atmosphere for residents.