

# ALY TARFA

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## EDUCATION

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**Carleton University**, Ottawa, Ontario

Bachelor of Computer Science: Software Engineering Stream, CO-OP

September 2022 — June 2027

CGPA: 11.10 (A)

## PROJECTS

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### ASCII Art Web App

November 2023

<https://github.com/xQuilled/ascii-art-app>

node.js, SQLite, express, CSS, HTML

- Integrated an external API to enable users to generate text-based ASCII art, adding a unique and engaging feature to the website.
- Created a reliable database structure that enhances the overall performance and security of the website, ensuring smooth user interactions and data integrity.
- Implemented user authentication and authorization, allowing users to register and login.

### Within Yourself — 3D Video Game

December 2021 - January 2022

<https://quilled.itch.io/within-yourself>

Godot Engine, Blender, GDScript

- Successfully designed and developed a 3D horror game, utilizing the Godot Engine and Blender for character modeling and environment design.
- Conceptualized and crafted a captivating game narrative, character interactions, and immersive horror atmosphere, resulting in a game that received over 10,000 downloads.
- Implemented game mechanics, including player movement, interactions, and enemy AI, resulting in seamless and engaging gameplay.
- Ensured the game's compatibility with both Windows and Mac platforms, expanding its reach to a broader audience.

### Go Santa Go! — 2D Web Game

December 2021

<https://quilled.itch.io/go-santa-go>

Godot Engine, Photo Editing

- Description of the project and your contributions.

## EXPERIENCE

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### Sleekkut

June 2021 - August 2022

*Woodworking Assistant*

Richmond Hill, Ontario

- Ensured precise measurements, accurate cutting, shaping, and assembly of wood materials.
- Utilized woodworking tools, machinery, and techniques to create high-quality, custom-made wood products.

## SKILLS

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- **Programming:** Java, Javascript, HTML, CSS, Python, C, GDScript, GLSL, Shell Scripting.
- **Tools:** Linux, Git, RESTful API, OOP, Godot, Blender, Video Editing, Photo Editing, Audio Editing.
- **Communication:** List of communication skills you possess.