ALY TARFA

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EDUCATION

Carleton University, Ottawa, Ontario   September 2022 — April 2027
Bachelor of Computer Science: Software Engineering Stream, CO-OP   Third Year Standing
CGPA: 10.10 (A)

APPLIED PROJECTS

ASCII Art Web App   November 2023 - January 2024
`https://github.com/xQuilled/ascii-art-app`   node.js, SQLite, express, CSS, HTML, Javascript

- Integrated an external API to enable users to generate text-based ASCII art, adding a unique feature to the website.
- Created a reliable database with SQLite3 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 with a username and password.
- Designed a responsive and intuitive user interface, resulting in a seamless user experience.

Within Yourself — 3D Video Game   December 2021 - January 2022
`https://quilled.itch.io/within-yourself`   Godot Engine, Blender, GDScript, Audacity

- 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 and an overall rating of 4.5/5.
- 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, HTML, Photo Editing

- Utilized the Godot engine to create an engaging and festive 2D game for web platforms.
- Achieved 3rd place out of 80 entries in the Jame Gam Christmas Edition competition, with high ratings in gameplay and graphics.
- Successfully delivered a fully functional web-based game, reaching a wide audience and showcasing skills in 2D game development.

EXPERIENCE

Toppings   June 2023 - August 2023
Cashier   Richmond Hill, Ontario

- Assisted customers in a friendly and professional manner, providing exceptional customer service.
- Maintained a clean and organized cashier station, ensuring supplies were stocked and readily available.

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

- **Programming:** Java, Javascript, HTML, CSS, Python, C, GDScript, GLSL, LaTeX, Lua.
- **Tools:** Kodu, Linux, Git, RESTful API, Vim, OOP, Godot, Blender, Video Editing, Photo Editing.
- **Communication:** Fluent in English and Arabic, with excellent writing and verbal communication skills.