Rayane Nossair

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EXPERIENCE

Computer Science Grader (August 2025)
Grinnell College   **August 2025 - Present, Grinnell, IA**
· Assist in grading code assignments and projects for introductory CS course; provide feedback on programming style and logic.

Student Worker
Dining Services, Grinnell College   **August 2024 - Present, Grinnell, IA**
· Follow standard operating procedures for safe food handling.
· Communicate and collaborate with team members to maintain chain of logistics.

Software Developer
Youth Journal of STEM Research   **May 2023 - March 2024, Remote**
· Developed a pipeline to facilitate conversion from Word format, reducing publishing time by 40%.
· Utilized Git as a Version Control System to track changes before deployment to production.

PROJECT

Online Password Manager
· Implemented industry standard AES 256-bit encryption and master password system.
· Leveraged MongoDB and REST APIs for backend functionality.
· Complimentary secure password generation system for added security.

Medieval Combat Multiplayer Game (Roblox Studio)
June 2025 - Present
· Design and develop a large-scale third-person multiplayer combat game using Roblox Studio and Lua.
· Implement core class-based gameplay (Offense, Defense, Ranged) and large 15v15 battle systems across multiple gamemodes.
· Develop client-server communication, player movement, melee & ranged combat, and animation systems optimized for real-time gameplay.

EDUCATION

Bachelor of Arts (Intending Computer Science)
Grinnell College · Grinnell, Iowa, United States · 2028
· Relevant coursework: Object-Oriented Problem Solving (Fall 2025), Functional Problem Solving. Operating Systems and Parallel Algorithms (Fall 2025), Discrete Structures, Imperative Problem Solving.

CERTIFICATIONS

Front End Development Libraries
[FreeCodeCamp] · December 31st 2021

Quality Assurance
[FreeCodeCamp] · July 26th 2022

Javascript Algorithms and Data Structures
[FreeCodeCamp] · November 6th 2021

Backend Development and APIs
[FreeCodeCamp] · June 5th 2022

SKILLS

Languages: C/C++, Lua, JavaScript
Frameworks/Libraries: React, Express, Bootstrap, SCSS
Tools: Git, MongoDB, REST APIs
Languages spoken: English, French (C1 Level), Arabic (Native)