

Hashem Bader

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HIGHLIGHTS OF QUALIFICATIONS:

- Second-year Computer Science student with a cumulative GPA of 3.9.
- Relevant programming languages: Java, Linux, C, Python, PHP, JavaScript and HTML/CSS.
- Problem-solver that can analyze systems and programs to improve efficiency.
- Collaborative, communicating with teammates to achieve shared goals and projects.
- Manages time and information to balance priorities and consistently meet deadlines.

Education:

Bachelor of Science, Major: Computer Science

2022-present

University of Prince Edward Island, Charlottetown, PE

- Relevant Coursework: Data Structures, Algorithms, Software Development, Database Management
- Dean's List 2022-2023

Projects:

Course: CS-1910 Hangman Game

Python Nov-2022

- Simulated the Hangman game logic, including word selection, user input, and hints mechanisms.
- Designed an intuitive and interactive console interface for a realistic simulation experience.
- Utilized Python's data structures to manage word lists and accurately reflect the game state.

Course: CS-2910 Monopoly Game

Java Nov-2023

- Implemented the core simulation game, including turn-based player interactions and rule enforcement.
- Collaborated with team members of two to synchronize the simulated game state.
- Implemented property management systems, encompassing property acquisition, development, and rent calculation.
- Orchestrated the integration of chance and community chest events, adding unpredictability to the simulation.
- Contributed to the documentation of the simulation game.

Skills:

Software

- **Object-Oriented Programming (OOP):** Understanding and implementing OOP principles such as encapsulation, inheritance, and polymorphism.

- **C-Low-Level Programming:** Learning about memory management, pointers, and direct hardware manipulation.
- **System Programming:** Writing code that interacts directly with the operating system and hardware.
- **Diverse Applications:** Python is used in various domains, including web development, data science, machine learning, and automation.

Problem-Solving

- Enhanced knowledge of developing effective test cases and testing methods through game projects, increasing testing efficiency skills.
- Debug code through troubleshooting in academic projects to ensure optimal performance of applications and websites.
- Adapted to different programming paradigms and frameworks based on the project needs in Java, Python, and C.

Communication Skills

- Engaged in team discussions to plan the development roadmap, discussing the project milestones, task allocation, and individual responsibilities.
- Used GitHub to report and manage bugs, track enhancements, and coordinate tasks within the team, ensuring efficient collaboration and issue resolution.
- Documented results of game testing and wrote clear comments within the code to enhance readability and provide context for complex sections.

OTHER WORK EXPERIENCE:

Superstore, Charlottetown, PE
 UPEI Fitness Centre, Charlottetown, PE

June 2023 - present
September 2023- present