

HAROON RASHID

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EDUCATION

Carleton University

Bachelor of Science in Computer Science **GPA: 10.5/12**

Ottawa, ON

Sept. 2020 – Dec 2024

EXPERIENCE

Systems Integrator and Software Developer

June 2024 - August 2024

Vogtech Renewables

- Spearheaded the implementation of OpenProject as the sole developer, customizing the source code to meet the specific workflow and project management needs of Vogtech Renewables.
- Developed and executed comprehensive test cases to ensure the stability and reliability of the customized OpenProject features, improving the platform's performance and user experience.
- Configured and managed Docker containers for efficient development, testing, and deployment, ensuring a streamlined and consistent environment across various stages of the project.
- Provided training and ongoing support to team members, ensuring a smooth transition to the new system and maximizing the effective use of the customized OpenProject features.

Software Developer

May 2022 - August 2023

Ericsson

- Designed and implemented new features for the Ericsson Indoor Planner tool, focusing on enhancing the front-end using React, JavaScript, and Redux, resulting in a more intuitive and efficient user experience.
- Actively participated in software improvement meetings before each sprint, providing valuable insights and suggestions that contributed to the ongoing enhancement of the product.
- Identified, diagnosed, and resolved bugs reported by customers and internal developers, improving the tool's reliability and user satisfaction.
- Conducted comprehensive automated testing using Nightwatch.js to ensure all features functioned correctly and met quality standards prior to product releases.

Teaching Assistant

January 2021 - December 2024

Carleton University

- Facilitated in-depth coding tutorials, utilizing pseudocode and live coding sessions to enhance students' understanding of programming concepts and practical application.
- Guided students through complex algorithms in Python, such as recursive search, by breaking down the logic and visually demonstrating how the process of recursion unfolds.
- Evaluated and graded assignments with a focus on accuracy and constructive feedback, ensuring students received fair and consistent assessments. Mediated grading disputes by reaching a balanced consensus that upheld academic standards.
- Implemented the use of MOSS (Measure of Software Similarity) to detect plagiarism in student code submissions, maintaining academic integrity and fostering an environment of honest learning.

PROJECTS

Reinforcement Learning Chess Agent | Python

September 2024 - December 2024

- Implemented algorithms like Q-Learning and Deep Q-Networks (DQN) to train the agent. The agent's objective was to maximize rewards by capturing pieces, controlling the board, and achieving a winning state.

Computer Vision Bicep Comparison | Python

December 2024 - February 2025

- Applies computer vision techniques to analyze and compare biceps in images by detecting edges, extracting contours, and measuring size and definition.
- It uses the contour area formula to estimate bicep size and the Laplacian variance method to assess muscle definition by measuring image sharpness.

Portfolio | JavaScript, HTML, CSS

September 2024 - Present

- Showcases my journey as a Computer Science graduate with a passion for AI and web development.

PROGRAMMING SKILLS

Languages: Python, Java, C++, JavaScript (ES6+), HTML, CSS, SQL, LaTeX, JSON

Frameworks/Libraries: React, Redux, Node.js, Express.js, Selenium, Nightwatch.js, Pandas, Matplotlib, Docker

Tools: Git, VS Code, IntelliJ IDEA, Eclipse, MATLAB, MongoDB, Postman, Jupyter Notebooks