Muhammad Asim Salman

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Summary

Aspiring Software Engineer with a strong foundation in Java, Python, and C++. Passionate about leveraging programming skills and academic knowledge to develop innovative software solutions. Experienced in team collaboration, troubleshooting, and problem-solving, with a focus on delivering high-quality projects.

Education

Bachelor of Engineering - Computer Engineering (Co-Op Program)   Toronto, ON
- Toronto Metropolitan University (Formerly Ryerson University)   **2022 – Present**

Technical Skills

- **Programming Languages:** Java, Python, C/C++, HTML, CSS, JavaScript
- **Tools & Frameworks:** Photoshop, Premiere Pro, JavaFX, Raylib
- **Soft Skills:** Effective Communication, Team Collaboration, Problem Solving, Quick Learner

Key Projects

- **PassVault Password Manager App (In Progress, 2024):**
  - Designed a secure password manager using JavaFX and CSS, providing users with an intuitive interface.
  - Implemented encryption protocols for robust password protection and ease of use.
- **Five Nights at Freddy's Fan Game (In Progress, 2024):**
  - Developed a game using C++ and Raylib, showcasing object-oriented programming and graphic design skills.
  - Created AI algorithms for character behavior and interactive gameplay.
- **Python Machine Learning Program (In Progress, 2024):**
  - Building a program that analyzes and predicts user preferences in books using machine learning techniques.
- **Minecraft Server on Raspberry Pi (2021):**
  - Designed and deployed a custom Minecraft server with an OLED status display.
  - Utilized Python and Linux shell scripting for server management.

Certificates

- **Programming & Development:**
  - Python for Everybody: Learn Python Programming MADE EASY *(Udemy)*   **November 2020**
  - Learn C++ by Creating *(Udemy)*   **December 2020**
  - Android Development for Beginners: Your first app in 2 hours *(Udemy)*   **November 2021**
- **AI & Machine Learning:**
  - Intel® AI Win Recipes *(Coursera)*   **October 2022**
  - The Intel® AI Value *(Coursera)*   **September 2023**
  - Intel® AI Essentials *(Coursera)*   **September 2023**
  - Intel® AI Fundamentals *(Coursera)*   **September 2023**
- **Cybersecurity:**
  - The Complete Cyber Security Course: Hackers Exposed! *(Udemy)*   **September 2023**

Relevant Academic Courses

- CPS 188: Computer Programming Fundamentals (C)
- COE 318: Intro to Software Design (Java)
- COE 428: Algorithms and Data Structures (C)
- COE 528: Object Oriented Analysis Design (Java)
- CPS 109: Computer Science I (Python)
- CPS 209: Computer Science II (Java)

Experience

Voluntary Reading Leader – The Story Garden

Mississauga, ON
July - August 2019

- Led interactive reading sessions to improve children's literacy skills, fostering a supportive learning environment.
- Designed creative activities, enhancing engagement by 20%.
- Supervised children to ensure a safe and productive space.

Summer Camp Volunteer – Polycultural Immigrant & Community Services

Mississauga, ON
July - August 2019

- Assisted in organizing and executing engaging activities for children.
- Collaborated with other volunteers to ensure smooth operations during camp sessions.
- Ensured the safety and well-being of all participants.