

Zoha Qamar

+1 (437) 237-4874 | qamarzoha@hotmail.com | linkedin.com/in/zoha-qamar | github.com/zohaq11 | Toronto, Canada

EDUCATION

University of Toronto

2025

Honours Bachelor of Science (HBSc): Computer Science & Statistics

- **Relevant Courses:** Software Design, Theory of Computation, Data Structures and Analysis, Artificial Intelligence, Machine Learning, Databases, Probability and Statistics II, Web Culture and Design, Human-Computer Interaction and Communication, Fundamentals of User Interface, Immersive Environment Design, UX Design - Prototyping and Evaluation

EXPERIENCE

Application Programmer Intern

May 2023 - August 2024

Ministry of Education

Toronto, ON

- Developed and tested applications in an **Agile development environment**, debugging and troubleshooting to ensure reliability and functionality.
- Automated accessibility compliance testing by integrating tools like **WAVE**, **JAWS**, and **NVDA**, ensuring adherence to **WCAG 2.0 guidelines**.
- Authored **10+ detailed technical documents** for workflows and testing protocols, improving knowledge transfer and onboarding for new team members and enhancing team efficiency.
- Logged and tracked **40+ defects** using ALM software, collaborating with developers to resolve **95%** of issues before deployment and reducing defect resolution time.

Director of Social Media

July 2022 - April 2023

Women in Science and Computing (WiSC)

Mississauga, ON

- Increased social media engagement by **30%** by implementing a strategic content calendar for platforms including Instagram, LinkedIn, and Discord.
- Collaborated with the marketing team to align with the WiSC brand and crafted a robust community engagement strategy.
- Streamlined communications by integrating inquiries via multiple platforms into a centralized response system, reducing response time by **50%**.

PROJECTS

Personal Portfolio Website | *React, Tailwind CSS, React Router, GitHub Pages*

- Interactive, responsive website with a custom pixel-art desk UI linking to GitHub, LinkedIn, resume pdf, and custom pages, showcasing frontend development, routing, responsive design, and deployment

Three Musketeers | *Java, JavaFX, JUnit testing*

- Graphic user interface game consisting of the MVC software design pattern and using Object Oriented programming, abstraction, encapsulation, inheritance, polymorphism

Onitama | *Python, Pygame, Pytest*

- User-controlled board game played by multiple avatars using Object Oriented programming and abstract data types

Meepo is You | *Python, Pygame, Pytest*

- User-controlled graphic user interface design game played by multiple avatars using Object Oriented programming, abstract data types, encapsulation, recursion

Hangman | *Python*

- Word guessing game

TECHNICAL SKILLS

Languages: Python, Java, C, R, Bash, Shell, SQL, PostgreSQL, VBScript, Assembly, JavaScript

Web & UI: HTML, CSS, UI/UX Design, Adobe XD, Figma, React

Frameworks & Libraries: JavaFX, Pytest, JUnit, NumPy, Pandas, Matplotlib, RESTful APIs

Dev Tools: Git, GitHub, VS Code, PyCharm, Eclipse, Jira, ALM, Linux

Interests: Software Development, Machine Learning, Artificial Intelligence