

# Fatema Husain

(365)-822-1991 | fatema.hsn03@gmail.com | LinkedIn | Github | Portfolio

---

## EDUCATION

---

**University of Waterloo** | Bachelor's in Honours Mathematics, 2022-2027 | *President's Scholarship of Distinction*

## TECHNICAL SKILLS

---

**Languages & Frameworks:** C++, Objective-C, Python, Javascript, HTML, SCSS, React.js, MongoDB, Express.js, Node.js

**Skills & Software:** Linux OS/Unix Shell Scripting, Bash, Git, Visual Studio Code, Figma

## EXPERIENCE

---

### Product Analyst Intern

*KoStudio, Toronto*

- Conducted research and competitive market analysis to identify market trends and opportunities for product improvement and reported insights to founder
- Understood product requirements to collaborate in product design prototyping using Figma
- Built a consistent and organized CRM database to recruit and manage 100+ brand ambassadors
- Wrote SEO optimized product copy, drawing in organic site traffic from search engines leading to increased sales

### Mathematics Tutor

*L2L Certified*

- Assisted students in understanding mathematical concepts and taught effective problem solving strategies.
- Utilized real-world examples to simplify abstract concepts with practical applications.
- Actively collected student feedback and improved tutoring practices by enhancing personalized lesson plans for each student, increasing overall averages by 10 - 20%.

## PROJECTS

---

### Chess Game | C++, XQuartz | December 2023

- Developed a console-based and graphical interface chess game from scratch by employing software development and OOP design choices to enhance scalability and modularity
- Integrated three difficulty levels of computer player intelligence, each employing unique algorithms
- Conducted rigorous unit and integrative testing to resolve complex bugs ensuring a smooth game experience
- Utilized git to manage codebase changes, allowing for collaboration and maintaining project integrity

### Sudoku | Javascript, HTML/SCSS | December 2023

- Designed and developed a simple interactive web-based Sudoku game using HTML, CSS, and JavaScript to explore web development
- Implemented game logic using JavaScript, allowing users to receive feedback and change levels of difficulty

### Jarvis Desktop Assistant | Python, Pyttsx, SpeechRecognition | August 2022

- Built a functional desktop assistant capable of performing various tasks including opening websites, providing real-time information and responding to user queries
- Successfully implemented speech recognition and text-to-speech functionality using various Python libraries, allowing users to interact using natural language commands

### Portfolio Website | JavaScript, HTML/SCSS | January 2024

- Created a website showcasing personal projects using SCSS for a more efficient approach
- Applied UX/UI design principles to create visually appealing ensuring a positive user experience