Mujtaba Rehman

Computer Science Student

✉ mujtaba.rehman@uwaterloo.ca

📱 (226) 99780346

📍 Kitchener, ON, Canada

🖥 rehmanmujtaba.github.io

in linkedin.com/in/mujtabarehman

○ github.com/RehmanMujtaba

SKILLS

C   C++   Python

JavaScript   HTML

CSS   Lua   Git

GDB   Valgrind

Linux   Bash

Solidworks   CAD

LANGUAGES

English
Native or Bilingual Proficiency

Urdu
Native or Bilingual Proficiency

Hindi
Native or Bilingual Proficiency

Punjabi
Full Professional Proficiency

INTERESTS

PC Building   Chess

Travelling   Puzzles

Cold War History

EDUCATION

Bachelor of Computer Science
University of Waterloo
08/2021 - Present

WORK EXPERIENCE

Senior University Leader
Engineering Science Quest

05/2022 - 08/2022   *Waterloo, ON*
Summer Program at the University of Waterloo

Achievements/Tasks
- Collaborated with a team to present a technology education showcase in front of the Ontario Minister of Education
- Conducted coding lessons for high school aged kids in Python, Arduino C, JavaScript and HTML/CSS
- Designed activities to promote technology education in the youth and created technical write-ups
- Acted as a liaison between parents, children and program supervisors
- Supervised a team of volunteers to assist with program management

Contact : Jared Stryker - esqinfo@uwaterloo.ca

PERSONAL PROJECTS

Chess Engine
- Collaborated in a team of 3 to build a graphical chess engine using C++ and X11 featuring 4 levels of computer difficulty and the full chess ruleset
- Worked to design software as a team, delegate coding task and merge 3000+ lines of code

Tic-Tac-Toe AI
- Extended a C++ Tic Tac Toe game created for an assignment by making a computer player option
- Computer would use a minimax algorithm to find the optimal move given a board

Command Line Text Editor
- Used C to build a light-weight text editor for the Linux command line that can open, write to and save existing and new text files

Quadcopter Flight Programming
- Assembled a quadcopter by soldering components to a PCB
- Programmed custom flight missions and tricks using the DroneKit Python API

Personal Website
- Used HTML and CSS to build a personal website and blog to document other projects
- Hosted the project on Github pages

Calculator Web Application
- Used JavaScript and HTML to build a four-function calculator on the web, hosted the project on my personal website

ACHIEVEMENTS

Presidential Scholarship of Distinction
Received an entrance scholarship to the University of Waterloo

Student Council Head
Elected as the head of student council in high school