Fahmi Omer

f3omer@uwaterloo.ca|(226) 504-5966|Waterloo, ON|[LinkedIn]

SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, SQL, C, C++, Visual Basic, Small Basic
Tools and Frameworks: Visual Studio Code, PyCharm, Docker, GPT, autoGPT, AssemblyAI, Bootstrap

WORK EXPERIENCE

Canadian Surgical Technologies and Advanced Robotics (CSTAR)   **July 2023 – Aug. 2023**
Summer Intern   *London, ON*
- Designed a data sorting algorithm to automate the task of reporting course participant data of 6000+ attendees to the American College of Surgeons, reducing expended time from ~40 hours to ~10 minutes.
- Utilized the OpenAI API and Docker to create an AutoGPT agent to write stories and review medical data.
- Led a video creation project to showcase emergency care medicine training via a simulation mannequin, teaching incoming students proper techniques and approaches to ER care and medical profession.
- Conducted 600+ medical students, residents, and more in various courses and assisted with lab technology.

Kumon North America   **Aug. 2021 – Aug. 2023**
Mathematics and English Instructor   *London, ON*
- Instructed 300+ students ranging from ages 6 to 20 across various levels of mathematics ranging from basic arithmetic to advanced calculus and supported students through difficulties, academically and emotionally.
- Worked with a well-connected team to ensure success for students and Kumon throughout the pandemic through effective remote work using video tutoring software and continuously monitoring student progress.

Mathematics Society of The University of Waterloo   **Oct. 2023 – Present**
First Year Representative   *Waterloo, ON*
- Significantly increased first year engagement of math students through weekly study sessions averaging over 70 students attending each session.
- Active member of the election committee, ensuring elections with hundreds of voters are run smoothly.

PROJECTS

Personal Website | HTML, CSS, JavaScript   **June 2023**
Grade 12 Final Project   *London, ON*
- Utilized Bootstrap to create an interactive personal website using HTML, CSS, and JavaScript Capable of:
    - Displaying completed term projects, viewable through external sites and embedded PDFs.
    - Classifying information by different sectional headers through CSS.
    - Interactive hover animations, as well as various functional buttons for hyperlinks.

EDUCATION

University of Waterloo   **Aug. 2028**
BCS, Honours Bachelors Computer Science, Co-op   *Waterloo, ON*
- President's Scholarship of Distinction
- Mathematics Society First Year Representative, Elections Committee Member, Double Degree Club Member
- Relevant Coursework: Algorithm Design and Data Abstraction, Techniques for Software Development

Wilfrid Laurier University   **Aug. 2028**
BBA, Honours Bachelors of Business Administration   *Waterloo, ON*