HAKEEM SADIQ

Computer Engineer

📞 519-981-0851
🔗 hakeemsadiq.com

@ Hakeem.o.sadiq@gmail.com
📍 London, Ontario

SUMMARY

I'm a Computer Engineer completing a degree in medical physics, with experience in both hardware and software projects.

PROJECTS

Development of the Double Frequency (19F/1H) Coil for a Clinical PET/MRI Scanner

📅 01/2021 - Ongoing 📍 Lawson Health Research Institute

- Designing Radio-frequency (RF) coil to function at 19F frequency (115Mhz)
- Designing a RF shield to change the resonance frequency to 122MHz

The Settlers of Catan League Tracking

📅 12/2018 - Ongoing

- Created a web application to display game data with an SQL database solution (HTML, CSS)
- Developing a mobile application that gives users access to this data (Flutter, Firebase)

Brain-Computer Interface Experiment

📅 10/2018 - 03/2019

- Worked with a team of 2 Engineering Students
- Created Shepard-Metzler mental rotation task simulation (Java)
- Captured brain signals using 64 Channel EEG (Biosemi systems)
- Processed and analyzed signals (MATLAB)

Ideal Heroes - Gamified Learning Mobile App

📅 01/2020 - 03/2020

- Designed an application for teaching youth with intellectual interpersonal and intrapersonal skills (Android studio, Firebase)
- App included authentication, personalization, and mini-activities

Happy Chat - Client/Server Chatroom App

📅 11/2019

- Built server and client applications for multi-user chat (C++, Java)

EXTRACURRICULARS

Head Coach

WesternU Women's Football Team

📅 08/2019 - Ongoing

- Plan, schedule, and run all practices, meetings, and other team events
- Coached team to a 18-0 record in the OWIFA league, winning all 3 tournaments participated in as a first year head coach

EDUCATION

B.E.Sc Computer Engineering

University of Western Ontario

📅 09/2016 - 06/2020

B.Sc (Hons) Medical Physics (Year 3.5)

University of Western Ontario

📅 09/2020 - Ongoing

SKILLS

Programming Languages and Technologies

Assembly/Machine   C++   C   C#

microC   VHDL   Verilog   Java

JavaScript   nodeJS   Python

SQL   Android Studio   Flutter

MATLAB   HTML5   Firebase

CAD/Design Tools

Eagle   MicroCap   Quartus   Xilinx

Cadence

Technical Skills

Object-Oriented Programming

Computer Architecture

Network Architecture

Socket programming   Soldering