AMINA ELTAHIR

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EDUCATION

Master of Engineering, Electrical & Computer Engineering (MEng)   Jan.2020 – Apr.2021

University of Alberta, Edmonton, Alberta

Major in Computer & Networks

Bachelor of Engineering in Electronics (BEng)   Oct.2012 - Dec.2017

Sudan University of Science and Technology, Khartoum, Sudan

Major in Software Engineering and Intelligent Systems

ACADEMIC RESEARCH / THESIS /REPORTS

Real-Time Facemask Detection & Recognition System   Jan.2021 – Apr.2021

University of Alberta, Edmonton, Alberta

MEng Capstone Project & Report.

The Recent Developments in Multi-Agent Pathfinding   Apr.2021

University of Alberta, Edmonton, Alberta

Academic Research & Literature Review.

Design of a Control System of a Dialysis Machine   Jun.2017 – Oct.2017

Sudan University of Science and Technology, Khartoum, Sudan

Graduation thesis & project

RELEVANT TRAINING

Graduate Ethics Training (GET)   Feb.2020

University of Alberta, Edmonton, Alberta

WORK EXPERIENCE

Private Tutor   Sep. 2019 – Dec. 2019

Freelance, United Arab Emirates

- Helping students grade 2 to 6 with understanding daily Assignments and homework.
- Explain all subjects.
- Prepare and correct mock exams.

Teaching Assistant   Dec. 2017- Nov. 2018

Sudan University of Science and Technology, Sudan

Teaching Laboratory courses including course curriculum preparation, organize reference materials, Grade examinations, term papers and laboratory reports.

- Computer Networks (Linux basics, Ubunto)
- Microcontroller (BASCOM, ATmega series, Proteus Professional)
- Digital Image Processing (MATLAB)
- Microprocessor systems and Assembly language.

Translator   Aug. 2017

Sudan University of Science and Technology, Sudan

- Technical Arabic to English documents translation and editing as part of the college of engineering's technical translation team for official documents.

LANGUAGE & SKILLS

Languages:

- English / Arabic / Korean.

Skills:

- Ability to understand and follow specific instructions and procedures.
- Strong communication skills.
- Solid time management and problem-solving skills.
- Strong attention to detail.
- Highly organized.

VOLUNTEER EXPERIENCE

General Volunteer   Aug.2020 - Apr.2021

"Student's Union", University of Alberta, Edmonton, Canada

- Facilitate multiple activities across campus including welcoming new students.

Warehouse Volunteer   Aug.2020 - Sep.2020

"Fresh Routes", Edmonton, Canada

- Assembles emergency food orders.

Image Captioning Volunteer   Feb.2020 - Mar.2020

"AirConLab", University of Alberta, Edmonton, Canada

- Participate in image labeling for a academic researches.

FURCA Judge   Mar.2020

University of Alberta, Edmonton, Canada

- Attend student presentations, assess presentations based on judging criteria, and provide constructive feedback to student presenters.

Class Mentor   Feb.2020

"U School", University of Alberta, Edmonton, Canada

- Serve as a role model for students and answer questions about university life.
- Lead small groups of students.
- Help distribute class materials.
- Participate in class discussions with students.
- Respond to students' journals.

Student Advisor   Aug. 2018

Sudan University of Science and Technology, Sudan

- Advise students responsible for project's presentations.
- Guide students through the process of finding sponsorships
- Prepare laboratories for the event.