AMINA ELTAHIR

✉ amna.a.ibrahim22@gmail.com | 📞 780-716-7982

🌐 https://amna-a.github.io/ | 🔗 https://www.linkedin.com/in/amina-eltahir/

Education

University of Alberta   Jan 2020 - Apr 2012
Master of Engineering
Electrical & Computer Engineering (Software Engineering & Intelligence Systems)

Sudan University of Science & Technology   Sep 2012 - Dec 2017
Bachelor of Engineering (Honors)
Electronics Engineering (Computer & Networks)

Skills

Languages: C++, Python, Rust, HTML, CSS, JavaScript
Technologies: Bootsrtap, React, SQLite, PostgreSQL, Git, Linux, Windows, MS Office Suite

Relevant Projects

EVENT-TRACKER   Edmonton, Alberta
https://github.com/Amna-A/Event-Tracker-React   summer 2021
A full-stack app using **React JS** and **json** server as a backend to track events and set reminders.

ATAXX-AB   Edmonton, Alberta
https://github.com/Amna-A/AB-Ataxx   winter 2021
Created a two-player console game (ATAXX) in **C++** with options for an automated player (AI) using Alpha–beta pruning search algorithm.

SEARCH-TREES   Edmonton, Alberta
https://github.com/ECE520-Project/trees   Fall 2020
- Collaborated with a team of two developers to create a fast and robust public **Rust** crate that contains utilities for binary search tree, red-black tree, and AVL tree. This crate has over 180 downloads on crates.io

GA-SCHEDULER   Edmonton, Alberta
https://github.com/Amna-A/GA-Scheduler   Fall 2020
- Developed a fast and reliable class scheduler for the University of Alberta graduate classes of fall 2020 using **Genetic Algorithms** implemented in **python.**
- Obtained data through web scrapping using beautiful Soup, Requests, JSON, Fiddler

INFO-KEEPER   Edmonton, Alberta
https://github.com/Amna-A/Info-Keeper   summer 2020
Created a **GUI** in **python** to add, maintain, and edit student data using TKinter and SQL (full stack development)

Professional Experience

Steam Dry Canada
Sales Associate

<div align="right">Edmonton, Alberta
Feb 2020 – Mar 2020</div>

- Assisted an average of 50 customers per day in finding and selecting services that suited their specific needs which have resulted in a total of 30% increase in sales.
- Achieved one of the highest lead generation rates in the region within one month.

Golden Square Technology
Sales & Marketing Engineer – Business Development

<div align="right">Khartoum, Sudan
Nov 2018 – May 2019</div>

- Improved the company's reputation and increased reach by leading the team representing the company and its international partners in local fairs, and was chosen as the official spokesperson.
- Established and maintained relationships with customers through regular meetings and calls.
- Managed and updated the company's website and social media pages.
- Cooperated with other team members to provide pre-service technical assistance and product education as well as offering technical after service support.

Sudan University of Science & Technology
Teaching Assistant – College of Engineering

<div align="right">Khartoum, Sudan
Dec 2017 – Nov 2018</div>

Teaching Laboratory courses including course curriculum preparation of:
- Computer Networks (Linux basics, Ubunto)
- Microcontroller (BASCOM, ATmega series, Proteus Professional)
- Digital Image Processing (MATLAB)
- Microprocessor systems and Assembly language basics.

Volunteer Work

University of Alberta
Student Volunteer

<div align="right">Edmonton, Alberta
Jan 2020 – Aug 2020</div>

- General Volunteer (Students' Union)
- Class Mentor (USchool)
- Image Captioning and analyzing (AirConLab)
- Festival of Undergraduate Research and Creative Activities Research Judge (Students' Union)

Fresh Routes
Warehouse Volunteer

<div align="right">Edmonton, Alberta
Aug 2020 – Nov 2020</div>

- Assembled Emergency Food

Sudan University of Science & Technology
Student Advisor

<div align="right">Khartoum, Sudan
Aug 2018</div>

- Directed the process of project's presentation while helping and advising students which lead to multiple students obtaining sponsorships.

Spoken Languages

Arabic (Native) – **English** (IELTS 7) – **Korean** (Fluent) – **Japanese** (Conversation) – **Spanish** (Beginner)