

Saleem Alharir

Electrical and Computer Engineering
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Education

- **University of Arizona, Tucson, Arizona** *December 2022*
Master of Science
Major: Electrical and Computer Engineering.
Minor: Computer Science.
- **University of Guanajuato, Mexico** *January 2022*
Master of Business
Major: Technology management and innovation.
- **Tartus University, Syria** *August 2018*
Bachelor of Engineering
Major: Information Technology Engineering.

Technical skills

- IT Management
- CCNA Network and Routing
- Network configuration
- Threat Modelling
- Data Analysis
- Data Structure
- LAN
- Network support
- python
- Cyber Security
- Machine Learning
- Network Security
- IT Technical support
- Technical Support
- Network Protocols
- Internet Protocols
- Cyber security analysis
- Computer Algorithm
- Finite State Machine
- Hyper-V
- Windows Server Active Directory
- Administrative skills
- Critical Thinking
- Leadership

Projects

1. AI-Intelligent Speech Recognition:

In this project I trained a machine learning model to understand Moroccan Arabic and tell if the pronunciation is correct or not. I implemented Attention Based LSTM for training the model and I tested it on samples from US Students.

Worked as a Researcher in the field of Speech Recognition, was responsible on validating the accuracy of the approaches used for other languages and validating the possibility to implement them in our project.

2. Lane Detection in Computer Vision using Accelerators:

Worked as a Researcher in the field of computer vision and Accelerators.

Worked on the logical part of the process to analyse the image and detect the lanes through implementing 2d convolution in 1d space.

3. Implementation of Chatbot using Bidirectional Encoder Representation for Transformers:

Here in this project, I present the implementation of a chatbot using Bidirectional Encoder Representations for Transformer (BERT).

I wrote The python code that takes speech and change it to words and understand the sentence to give a response.

4. Cyber Security analysis in Mexico:

I did Analysis about the Security situation in Mexico and its impact on the community.

Worked as a researcher to collect the data of the cyber-attack in the last 10 years in Mexico and analyse the threat that they possess on the community, and suggested solutions that might help in mitigating the threats.

5. Uber Clone “implementation of Uber clone in unsupported regions”:

Implement an uber clone using Android studio with backend in unsupported region.

Worked on coding the project using Android studio and Java, connect it to a Google Firebase database and push notification.

Professional Experience

● IT Specialist

University of Utah, Salt Lake City
SCI Institute

Feb 2023 - Current

- VDC (Virtual Data Collaboratory)
- NDP (National Data Platform)

● Research Assistant

University of Arizona, Tucson, Arizona
Autonomic Computing Lab

January 2022 – Dec 2022

- Conduct Research (collecting data – running experiments and publishing the results).
- IT support and network management

● Teacher Assistant

University of Arizona, Tucson, Arizona
Middle Eastern and North African Studies.

January 2022 – Dec 2022

- Taught Students in one on one session and prepared the class materials.
- Helped in the grading and evaluating the students progress

- **Assistant Professor**

The University of Guanajuato, Mexico
Department of Exact Science and nature.

June 2020 – November 2020

- Conduct Research (collecting data – running experiments and publishing the results).
- Helped in running the course and preparing the materials.

- **Media Officer**

Greek Orthodox Patriarchate of Antioch, Tartus, Syria
Department of Ecumenical Relations and Development.

January 2017 – November 2017

- Assist in the elaboration and implementation of the GOPA-DERD communication Strategy
- Design , elaboration and implementation of the CO media strategy

- **Field Monitor**

Greek Orthodox Patriarchate of Antioch, Tartus, Syria
Department of Ecumenical Relations and Development.

October 2014 – November 2017

- Was responsible of Coordinating project schedules, resources, equipment and information.
- Prepare budget and make proposals for new projects
- Managing the IT of the office (both the software part and the network part)

- **Leading Associate for Cubs Scout**

St. George Scout Tartus, Syria

February 2012 – March 2017

- Leading cup scouts
- Doing media management
- IT management and infrastructure

Courses & Certificates

- Machine Learning
- Cloud Security
- Computer networking
- Cyber Security: Concept, Theory and Practice
- Web development and IOT
- Design, Modelling, and Simulation for High Technology Systems in Medicine
- C1 advanced ideas for teaching and learning online Certificate.
- Difficult Conversations - Strategies for Challenging Discussions.
- Managing your Stress During Covid-19.
- Making it Real: RTI and MTSS for Reading and Reading interventions.
- Mental Health and Resilience During Covid-19.
- Social Communication + Emotional regulation: An Environment for School success.
- Certificate for completion of four days' training in Disaster management.
- Certificate for completion of four days' training in Emergency (First aid, basic firefighting, and evacuation).
- Certificate for completion of six days' training on SPHERE.
- Certificate for completion 30 Hours training on Humanitarian Intervention Capacity Building.
- Certificate for Completion of four days training in Psychological First Aid.
- Cisco Certified Network Associate Routing and Switching.

Peer Reviewed Conference Publications

1. Shao S, Saleem AL., Salim H. Pratik S, Abdessamad M., Sonia S.

“AI-Driven Arabic Language and Speech Tutor.”

In 2022 IEEE/ACS 19th International Conference on Computer Systems and Applications (AICCSA).