



# HUSSAIN ALRAJJAL

## COMPUTER ENGINEER

### EXPERIENCE

#### EMBEDDED SYSTEMS ENGINEER INTERN

##### Rawabi United Safety Services Company (RUSS)

RUSS is a leading provider of H2S Safety Equipment, Breathing Air Safety Systems and H2S Safety Specialist expertise in the regional Oil & Gas Industry.

Al Khobar, Saudi Arabia - June 2019 – August 2019

##### Task:

- Building a tool that monitors RS232, RS485, and TTL serial data between two devices or more.

### EDUCATION

#### BS IN COMPUTER ENGINEERING

##### King Fahd University of Petroleum & Minerals (KFUPM)

3.321/4.000

August 2015 – June 2020

##### Courses

- Cloud Computing & Web Design
- Internet of Things
- Privacy Enhancing Technologies
- Enigneering Economic Analysis
- Computer & Network Security
- Embedded Systems
- Computer Networks
- Computer Organization
- Digital Logic Design
- Internetwork Design Management

### PROJECTS

#### Automatic Classification of Rock Cuttings in Drilling Fluid Exhaust

Smart Tool for helping people in rig field in classifying rock cuttings through recongizing the cuttings' sounds.

#### MALComparator

A simple API-Based website to help users in comparing their watching lists and find matches.

#### Simulation of a Private Hospital Network

Building a hospital network that provides connctivity for all IT devices between departments and hosting a webpage & mail servers using Packet Trace.

#### Local Search Algorithms Visualization Program

A python-based program to apply four well-known local search algorithms and demonstrate that using N-Queen Challenge.

#### (Tasawwur)

Smart Tool for Helping Hearing-Impaired People to communicate with the world.

#### Patient Appointment Management System (PAMS)

A system that facilitates looking for a dentist clinic among many clinics and make appointment,

#### Useless Machine

A simple project focuses on deploying the embedded systems outcomes in a project.

#### Securing Chat Application

A JAVA-based program that ensures confidentiality of the messages exchanged between users using AES-256 Encryption.

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### SKILLS

- JAVA
- Python
- Verilog
- HTML/CSS
- JavaScript
- SQL
- NO-SQL
- Networking

### LANGUAGES

Arabic  
Native

English  
Technical

### INTERESTS

- Cryptography
- Embedded Systems