Bushra Abubaker – Resume

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Date of Birth	15th October 1990	**Email**	bushra.ghiath@gmail.com
Nationality	Syrian		

Personal Profile

I am an ambitious and hard-working person who has passionate on making difference in work and loves working in challenging environments. When it comes to my work environment, I can be flexible, quickly adaptable and precise to meet objectives and deadlines.

Work Experience

July 14 - Saudi IntelTec Skyband Company, Riyadh, Saudi Arabia
Aug 14 *Internship*

Education

2012-2015   BSc of Computer and Systems Engineering - Alexandria University, Egypt

Grade: Good
Graduation Project: "Elderly Assistance Robot" , Distinction grade

2008-2012   BSc of Informatics Engineering - Aleppo University, Syria

non-completed degree

Personal Skills

- **Programming Languages**

  Java, C++/C, C#
  HTML, XML
  R-language, Python, assembly

- **Database Management Systems**

  SQL Server, My SQL, Oracle 11g

- **Miscellaneous**

  Eclipse, Code Blocks, Visual Studio, SIC/XE assembler, Weka, LadSim - Environments
  git-hub, git - source version control
  Android, Ubuntu Linux and Microsoft windows - Operating Systems

Technical skills

- **Excellent Experience with OOP techniques, Database Design and most Data Structures.**
- **Good Knowledge of Genetics Algorithms and problem Solving Techniques**
- **Good Experience with Android Development.**
- **Good Experience in LAN Maintenance, configuration includes creation of domains, servers, privileges and DHCP.**
- **Good Experience with Socket Programming and Networks Development.**

Projects

Gradation Project Elderly Assistance Robot

This project is aimed to create an indoor autonomous mobile robot that is capable of assisting elderly people performing their everyday tasks, and provides permanent supervision for detect emergency cases in real time. Using C++ language and ROS.

This robot using Kinect in detection and navigation, and Arm in pick-up the light objects and analyzing emergency cases through measurement of blood pressure and heart rate. Also using FPV techniques to let a person control the robot via his phone. One of the major Algorithm used in navigation is vSLAM.

Undergradu-ate Projects Mini OS
java

Mini OS is an OS simulation supports features like (single user, multi-tasking, Multithreading and uniprocessor) and handles scheduling problems, synchronization problem and different thread states (ready, suspend and block).

Wisconsin Mini base Projects
java

Implementation of the famous Mini base projects (Buffer Manager, Heap File and B+ Tree).

Huffman Compressor and Decompressor
java

Using heap data structure with generic type, heap sort algorithm for sorting elements, and implement priority queue basic operation.

Compiler Project
C++

Implementation of the first two phases of Analysis Parts of the compiler. Lexical Analyzer and Syntax Analyzer.

Reliable Data Transport Protocol
C

Implementing of two techniques to provide a reliable channel, stop-and-wait and selective repeat. Implementing congestion control: Additive increase Multiplicative decrease. And Handling time-out.

Automation of Child Auspices Center
C#

Implementing using SQL server 2008 database with visual C# 2010. It manages available beds and rooms, supervisors in different locations, donations, visits and visitors, reinforcement for education and health and in/outside activities that children participating them.

Languages

Arabic   mothertongue
English   IELTS (Academic Module) - score: 5.5

Volunteering Experience

Jan 09 -   Ait-pedia Group, Aleppo, Syria
Jan 11   *Member*

                  Arab IT pedia is a collaborative research project. The group is a collection of IT engineers and students.

Jan 09 -   Orphans Care Center, Aleppo, Syria
Jan 11   *Computer Teacher*