

**Rami Mohsen**  
**Bachelor Degree of Computer Engineering**  
**Palestine Polytechnic University**  
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### **Education**

MS in Informatics, December 2012  
Palestine Polytechnic University  
Hebron, Palestine  
GPA 81.7% (Rating: Very Good)



B.Eng in Computer System Engineering, June 2007  
Palestine Polytechnic University  
Hebron, Palestine  
GPA 82.4% (Rating: Very Good)

*Graduation Project:* Voice Recognition Robotic Car. A robotic car that will be controlled by human voice. The car will recognize five Arabic words (قف، خلف، يسار، يمين، أمام) according to the frequency content of the detected word.

### **Teaching Experience**

*Computer Engineering Instructor 9/2009Till Now.*  
Palestine Polytechnic University, Hebron, Palestine  
*Information Technology Teacher 9/2007-8/2009*  
Directorate of Education - The Suburbs of Jerusalem, Palestine

### **Courses Taught Since September 2009**

No.	Course Name	Number of times
1	Introduction of Computer	7
2	Computer Accessories and Ports	2
3	Computer Network	2
4	Web Technology and Publishing 1 (html+php)	3
5	Web Technology and Publishing 2 (Servers Technologies)	4
6	Data Transmission	1
7	Programming in C/C++	2
8	Microcontrollers	4
9	Computer Drawing and Design	4
10	Interfacing With Embedded Systems	3
11	Software Engineering	2
12	Operating Systems	1

### **Computer Skills**

*Languages:* Oracle PL/SQL, C/C++, Java, XML, ASP, Visual Basic .NET, Assembly Language (8085, 8086, PIC Microcontrollers), and HTML

*Databases:* Oracle, Microsoft SQL Server, and Microsoft Access

*Operating Systems:* Windows NT/2000/2003/2008 Server, Windows( XP,VISTA,7 ) , UNIX and Mac OS X

*Software:* Microsoft Office, CASE Tools (Oracle Designer), Matlab, Orcad, and Circuit Maker.

*Development Tools:* Oracle Developer

*Development Methodologies:* Process-Oriented, Data-Oriented, and Object-Oriented

### **Systems Design Skills**

Build any system using PIC16FXX or PIC18F45XX Microcontrollers versions.

*The knowledge of IDE's:*

\* MPLAB 7.31 Full IDE:

Using the editor of MPLAB to write (C or Assembly) code, MPASM to assemble the code and simulate the code using MPLAB PIC simulator (MPSIM).

\* MikroBasic IDE:

Write (BASIC or Assembly) source code using the built-in Code Editor and assemble this code after compiling the program. The program can be simulated using mikro ICD Debugger

\* MikroC IDE:

*mikroC PRO for PIC* is a full-featured *ANSI C compiler for PIC* devices from Microchip®. It is the best solution for developing code for PIC devices. It features intuitive IDE, powerful compiler with *advanced optimizations*, lots of hardware and software libraries, and additional tools that will help you in your work.

*Programmer Design:*

Construct a programmer circuit that will treat with PIC16FXX or PIC18F45XX Microcontrollers versions and using WINPIC800 application to load the program on the PIC with programmer.

*Interfacing Systems Design:*

Includes PIC , 8088, 8086, 8085 Microcontrollers and Processors interface .

*Digital and Electrical Circuits Design Skills.*

### **Networks Skills:**

*Networks Design, Construction and Maintenance Skills* (CISCO, CCNA1-4, MCSE...).

*Routers Programming:* Applying Dynamic, Static routing (RIP, IGP, OSPF, BGP, ..)

*Servers Installations:* Exchange Server, ISA Server, Web Server, File Server, Mikrotik Server...

### **Languages**

Arabic -mother language, English – very good.