Mobile: +98(912)387-2716
Email:
SKarimabadi@yahoo.com
Saeed@karimabadi.ir

Saeed Karimabadi

Date of Birth : April, 4 , 1979
Marital Status : single

Education

1989-1997 High-School & Guidance-School of Exceptional Talents (Allameh Helli) Tehran, Iran
High School Diploma

1997–2003 Iran University of Science and Technology, Tehran, Iran
Bachelor of Science in Electrical & Communication Engineering

2004-2006 Sharif University Technology, Tehran, Iran
Master of Science in Computer Architecture Engineering

Professional Experience

1997–2000 School of Exceptional Talents (Allameh Helli2) Tehran, Iran
Teacher in Mathematical courses
Teacher in Computer courses
Teacher in Robotic courses
Head of Computer Group

May'99–Sep'99 NODET (National Organization for Development of Exceptional Talents), First Iranian School Students Robotic Challenge Tehran, Iran
Member Of Executor Team

1997–1999 Electric Department-Iran University of Science & Technology Tehran, Iran
Administer of Computer Site

1998–1999 ERC (Electronic Research Center) Iran University of Science & Technology Tehran, Iran
Research Assistant

May’00-Jul’01 Mahrayan Co. Tehran, Iran
Software Developer

Jul’01-Jan’02 Talesh Electronic Co. (TEC) Tehran, Iran
Industrial Software Designer & Electronic Engineer

Vaziri Co.
Precision Instrument Designer & Industrial Control Engineer

2002-2007 Parto Tamase Novin Co. (PARMAN) Tehran, Iran
Software Team Leader / Embedded Programmer

Additional professional activities

Representative of IUST in ISCEE (Iran Students Conference on Electrical Engineering). 1997-1999

Member of Robotic Team of ERC-IUST for 1st Tehran Intelligence Robotic Challenge in University of Tehran. 2000

Member of Robocop Team of IUST for International Robocop Challenge in Seattle, USA. 2001

Member of IEEE student branch in IUST.

Languages

Fluent in Persian. Good writing and reading knowledge of English Language. Familiar with Arabic Language.

Community activities

- 1997. NODET Electrical & Computer Society Tehran, Iran.
- 1999. 1st Iranian Students Conference on Electrical Engineering. Tehran, Iran.
- 2000. 3rd Iranian Students Conference on Electrical Engineering. Tehran, Iran.
- 2000-2002. Student Member of IEEE.
- 2000-2002. Member of IEEE student branch in IUST.
- 2000. Member of Robotic Team of ERC-IUST for 1st Tehran Intelligence Robotic Challenge in University of Tehran. 2000
- 2001. Member of Robocop Team of IUST for International Robocup Challenge in Seattle, USA. 2001

- 2001 . 2nd Intelligence Mice Robotic contest Tabriz,Iran

Interests and activities

Electronic (Microprocessors, Microcontrollers, PC Interfacing, ISA & PCI Cards, Industrial Control), Telecommunication (GSM, Cell Planning, Cellular Network Optimization, Networks protocols, Neural Network, Fuzzy Systems, Speech Recognition, Image Processing), Computer (Programming Languages, Delphi, C/C++), Sport (Badminton, Football), Literature.

Awards received

1988. 1st place in science and culture contest between Tehran students.

1995. 1st place in photo contest in NODET.

1997. 4th place in best project contest in IUST.

2000. award from ERC-IUST for Making "HARRIS" Robot (some kind of golf player robot using cooperative microprocessors)

2001. Award from IUST for Making Robocop Robots.

Computer Knowledge

Languages and Systems

- C/C++, Matlab, Delphi, Pascal, FORTRAN, Basic, Visual Basic Programming.
- Verilog programming
- GNU tools: like gcc, gdb, g++, ld, insight, nm, cygwin…
- eCos (Redhat Real-Time Operating System) : Integrating and Developing Device driver, Porting to many custom targets, developing stubs, developing many telecommunication systems base on eCos, Porting for Rational Rose Real-Time
- Redboot: (Redhat Embedded Loader/Debugger) Porting and Integration with custom hardware
- uMonitor: (Embedded Monitor/Loader) adding various device drivers, porting to custom hardware
- UCD-SNMP (NET-SNMP): Porting to custom embedded system, designing and implementing SDH MIB for an Embedded SNMP enabled system base on UCD-SNMP and eCos.
- JFFS2: using JFFS2 file system for embedded systems.
- Fair with SQL and ORACLE servers and database programming.
- Working with schematic and PCB tools like: Orcad /Cadence /Protel.

- Familiar with CAD and Spice tools like pspice, modelsim, Leonardo, ...
- Familiar with SDL “specification and description Language” (some kind of programming language that recently use for telecommunication network layers like mobile, internet, wireless networks and etc). Some experiences with “Cinderella SDL “(SDL and ASN compiler).
- Rational Rose Real-Time: Designing an Embedded System using Rose-RT, Porting to custom platforms and OS, Implementing Different ITU Telecommunication Standards using Rational Rose-RT
- Compiere (Open Source ERP): working, installation and maintenance.
- Work with these microcontrollers and processors:
  - MCS8051/Z80/8086/AVR Family
  - MC68C05/68C705
  - MPC860 Motorola PowerPC Processors.
  - ARM Processors
- Some experience on PCI and ISA Slots and Driver Programming for Extra Cards in PC Compatible computers
- Expert with working with Adobe PhotoShop.
- Familiar with web designing tools Like Adobe Golive, Ms FrontPage and etc. Do Some Professional Web Design for Iranian Corporations Like:
    - TEC “Talesh Electronic Co.” http://karimabadi.itgo.com/TEC
    - TGRS “Tarh Gostaran Co.” http://karimabadi.itgo.com/TGRS
- Working Knowledge of
  - Vax/Vms operating system
  - Novell Netware station/server installation/server management
  - Windows Server 2003 installation.Management
- Software and Applications:
  - Cell-Planning Tools:
    - Aircom Enterprise (Asset, Neptune,…): working and administration

- TEMS Investigation and Pocket

- SDH Network:
  - Siemens VPI Maker : SDH Network Design tool
  - Seimens SMA1K LCT: STM1 management;
  - Huawei T2000: SDH network NMS.
- Other Tools:
  - UCD-SNMP, Net-SNMP, MG-SOFT SNMP Browser, Adobe Photoshop, Rational Rose, Microsoft Project, CVS client and server, Visual Source Safe, eclipse, cygwin, …

Project Achievements

- **Intelligence ID card** – Design and use Smart Cards as an ID card with Developed features. with interfacing Boards to a pc and its Visual programs(take award of best project 1997)
- **ISA Sound Card** – Design and Implantation of an ISA card and programming its driver. 1998
- **Programmable function generator ISA Card** – Design and Implantation of an ISA card that can generate custom signals with custom shape and frequency and programming its driver. 1998
- **Door Security System** - using Barcode Cards and personal password with 89c51 uControler ,keyboard ,LCD, rs232 connection to pc 1999 ERC-IUST
- **Audio Command Recognition** – speech recognition project with matlab. 1998
- **Simple Neural Network Training Software** – Neural network program using Borland pascal.1998
- **"Harris" Robot** – making some kind of golf player robot that has two separate units working cooperative (in a 5 people group), using 89c52 uControler. 2000 ERC-IUST.
- **Network Chat** – Chat program work on Novell NetWare. Software was implemented using Borland Pascal and in second Edition using Borland Delphi. 1999
- **Intelligence Maze Tracker Simulation** – simulation and implementation of an intelligence algorithm for solving a maze and find right way in a maze. Using Borland Pascal 1998

- **Simulation Annealing Algorithm** – using simulation annealing to optimize a sample system. 1998

- **"Mashareh" Robot** – making an intelligence mouse that can search and find a black track on the white background and can track it with some extra features like ability of tracking slashed tracks and can trace zigzag lines or multi speed ability. 2001

- **Crash Guard system** – Design and implementation of security system that sense crash in some unit of floor mill factory and prevent a dangerous damages. Vaziri Flour Mill Co. 2001

- **Designing programmable industrial uController-Base modules** – Design some industrial modules that can collect data from sensors and send it via a common RS-485 bus to a server. (DIDO, A/D, RTD, LVDT, Thermocouple,…). TEC 2001

- **PEGOUT gearbox testing system software** – software that design and implemented for testing PEGOUT car gearboxes. This software acquires data from sensors with high sample-rate. ***This system was certified by France PEGOUT***. software implemented using Borland Delphi and ordered by **NMI** (Niroo Moharrekeh Industeries) 2001-2002 TEC

- **Car Clutch testing system software** – software that design and implemented for testing car Clutch Lents. This software controls a mechanical machine and acquires data from sensors and calculates wear rate and coefficient of friction. Software implemented using Borland Delphi and ordered by "**Iran National Standard Organization"** and **Pars Roy Co.** 2002

- **Car Brake Lent testing system software** – software that design and implemented for testing car Clutch Lents. This software controls a mechanical machine and acquires data from sensors and calculates wear rate and coefficient of friction. Software implemented using Borland Delphi and ordered by "**Asia Lent"** and **Pars Roy Co.** (Jan 2003)

- **GSM Security** – Work on Iran GSM network security status as BS final project (Juan 2002- April 2003)

- **SDH/SONET Project. (open project) –** Work as a software team leader for working on a SDH/STM1 switch.

- **Page Segmentation Engine:** designing and developing page segmentation algorithm for Persian printed documents. (MS Thesis)

- **JTAG Tester:** Developing a GUI and a software engine for testing embedded system PCB connectivity with jtag protocol.

- **Ethernet Over SDH:** Designing and Implementing Ethernet over SDH (STM1)

embedded software. Embedded Telecommunication system that can transports up to 8 10/100 MB Ethernet Connection via 155 MB/s STM1 Signal. (2004)

- **Compact STM1:** Software Team Leader and Embedded Programmer in Compact STM1 Fiber Optic switch for transporting 24 E1 channels over 155 MB/s STM1 Signal. (2005)

- **Full STM1 System with Ethernet Capability:** Software Team Leader and Embedded Software Programmer**,** a Complete SDH Modular System that can support 63 E1's and eight 10/100 MB/s Ethernet Port with 4 Optical/Electrical STM1 Ports. Full Protection Modes Supported (MSP, 1+1, UPSR, SNCP) including SNMP Enabled Remote management. ITU-T G.783, G.78 and … Standards Implemented ,it has a Real-Time OS with more than 25 concurrent Real-Time Threads(2006)

- **GSM Cell Planning IT Administrator:** IT administrator of GSM Cell-Planning Project. (About 1800 BTS). Behin Ertebate Mehr, Iran

- **GSM Network Quality Monitoring:** Now I have a contract with MCI (Mobile Company of Iran) for monitoring the quality of Tehran GSM network. (2006-2007)