



In the Name of God
CURRICULUM VITAE

Vahid Khodabakhshi

Data & Network Security Lab (DNSL)
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Education

➤ Sharif University of Technology, Computer Engineering Dept., Tehran, Iran

M. Sc. Student in IT Engineering

Major: **Information Security**

Sep 2011 - Jun 2013

- Current Courses **GPA: 18.43/20**
- Thesis Topic: *"A Privacy-Preserving Network Communication Protocol"*
- Evaluated and approved as: **Excellent [20/20]**
- Supervisor: Dr. R. Jalili , Consultant: Dr. M. Kharrazi
- Area of Study: Virtual Private Networks, Anonymous Communications
- Courses:
 - [40-533] Advanced (Distributed) Operating Systems (19.1/20)
 - [40-693] Advanced Computer Networks (18.5/20)
 - [40-874] Secure Software Development (19.5/20)
 - [40-817] Advanced Network Security (19.6/20)
 - [40-734] Database Security (18.0/20)
 - [40-656] Computer Network Management (17.5/20)
 - [40-795] Formal Methods for Information Security (13.7/20)
 - [40-900] M.Sc. Seminar (18.4/20)
 - [40-690] M.Sc. Thesis (20/20)

➤ Shiraz University of Technology, Computer & IT Engineering Dept., Shiraz, Iran

B. Sc. in Computer Engineering

Major: **Information Technology Engineering**

Sep 2007 - Jun 2011

- Overall **GPA: 16.47/20** - Major Subjects **GPA: 17.04/20**
 - University and Department Average GPA were 14.70 and 14.69 respectively.
 - Thesis Topic: *“Evaluation & Implementation of a modified Ad hoc On Demand Distance Vector (AODV) Routing Algorithm in Mobile Ad-hoc Networks (MANET)”*.
[Simulation has performed in “OPNet Modeler” environment]
 - Evaluated and approved as: **Excellent [19.5/20]**
 - Supervisor: **Dr. M. Keshtgari** , Consultant: **Dr. M. R. Kharazmi**
 - Area of Study: Mobile Ad-hoc Networks, On Demand Distance Vector Routing
- **Hafez High School**, Tehran, Iran
College Diploma in Mathematics and Physics
Sep 2006 – Jun 2007
 - Overall **GPA: 19.5/20**
 - **Sani’efar High School** [Public Selected School], Tehran, Iran
Diploma in Mathematics and Physics
Sep 2003 – Jun 2006
 - Overall **GPA: 19.5/20**

Research Interests

- Data and Network Security
 - **Virtual Private Networks**
 - **Anonymous Communications**
 - Cryptology
 - Secure Multi-party Computation
 - Provable Security
- Graph and Game Theory
- Collective Intelligence
- Multi Agent Systems

Honors and Awards

- **Ranked Top 0.0003** in Information Technology Engineering field of Nationwide M. Sc. Entrance Exam among more than 32’000 participants, Feb 2011, Iran.
- **Ranked Top 0.008** in Nationwide B. Sc. Entrance Exam among more than 400’000 participants, Jun 2007, Iran.
- **Semifinalist** in *National Mathematics Olympiad*, 2005, Tehran, Iran.

- **1st Place**
Annual RoboCup World Championship (RoboCup 2013), Soccer 2D Simulation League, Technical Challenge, as technical manager and a member of “FC-Perspolis” team, 2013, the Genneper Parcs in Eindhoven, the Netherlands.
- **1st Place.**
8th International Robotic Competitions (IranOpen’13), Soccer 2D Simulation League, as technical manager and a member of “FC-Perspolis” team, 2013, Tehran, Iran.
- **1st Place.**
3th National Khwarizmi Robotic Competition, Soccer 2D Simulation League, as a member of “LEAKIN'DROPS” team, 2010, Tehran, Iran.
- **3th Place.**
2nd National Khwarizmi Robotic Competition, Soccer 2D Simulation League, as leader & a member of “Miracle” team, 2009, Tehran, Iran.
- **1st Place.**
2nd International Robotic Competitions (AUTCup’10), Soccer 2D Simulation League, Amirkabir Univ. of Tech., as a member of “LEAKIN'DROPS” team, 2010, Tehran, Iran.
- **2nd Place.**
1st International Robotic Competitions (AUTCup’09), Soccer 2D Simulation League, Amirkabir Univ. of Tech., as leader & a member of “ParaNoid” team, 2009, Tehran, Iran.
- **3th Place.**
4th International Robotic Competitions (IranOpen’09), Soccer 2D Simulation League, as leader & a member of “Miracle” team, 2009, Qazvin, Iran.
- **1st Place.**
2nd Regional Snake Simulation League, Shiraz Univ. of Tech., as leader & a member of “PsychoPass” team, 2011, Shiraz, Iran.
- **1st Place.**
2nd National Robotic Competitions (RoboTech’11), Snake Simulation League, Shiraz Univ. of Tech., as leader & a member of “Melancholia” team, 2011, Shiraz, Iran.
- **2nd Place.**
2nd National Robotic Competition (GUILAN OPEN’10), Soccer 2D Simulation League, as a member of “ParaNoid” team, 2010, Guilan, Iran.
- **1st Place.**
Promotional Poster Designing Competitions of 2nd National Competition of Penetration and Defense in Cyberspace, Sharif CERT Center (APA), Computer Eng. Dept., Sharif Univ. of Tech, May 2012, Tehran, Iran.

Publications

Conference Papers

1. **V. Khodabakhshi**, M. Soltani, M. Rezvani and Rasool Jalili, "*Chaos-based Selective Key (CSK) Cryptosystem: A New Direction to Secure VPN*", In Proceedings of the 10th International ISC Conference on Information Security and Cryptology (**ISCISC'13**), August 2013, Yazd University, Yazd, Iran.
2. M. Khosravi, M. Hasanzadeh and **V. Khodabakhshi**, "*A Novel Method for Information Hiding in AODV: The Case of Mobile Ad-hoc Networks*", In Proceedings of the 9th International ISC Conference on Information Security and Cryptology (**ISCISC'12**), September 2012, University of Tabriz, Tabriz, Iran.
3. **V. Khodabakhshi**, M. S. Reza'ee and A. Bazoubandi, "*A New Dynamic Methods to Design Packers*", In Proceedings of the 5th National Conference on Electronic Warfare (**EW'12**), Jan 2012, University of Imam Hossein, Tehran, Iran.
4. **V. Khodabakhshi**, M. S. Reza'ee and R. Javidan, "*A New Approach to Increasing Security of Software Systems*", In Proceedings of the 1st National Conference on Information and Communication Technology (**ICT'11**), Dec 2011, University of Applied Science and Technology, Abhar, Iran.

Technical Reports

1. A. Tavafi, **V. Khodabakhshi**, N. Nozari, M. Shaghelani, H. Zare' and M. Hashemian, "*FC-Perspolis Soccer 2D Simulation Team Description*", Annual RoboCup World Championship (**RoboCup 2013**), 2013, the Genneper Parcs in Eindhoven, The Netherlands.
2. A. Tavafi, **V. Khodabakhshi**, N. Nozari, M. Shaghelani, H. Zare' and M. Hashemian, "*FC-Perspolis Soccer 2D Simulation Team Description*", 8th International Robotic Competitions (**IranOpen'13**), 2013, Tehran, Iran.
3. A. Tavafi, **V. Khodabakhshi**, N. Nozari, M. Shaghelani, H. Zare' and M. Hashemian, "*FC-Perspolis Soccer 2D Simulation Team Description*", 3th National Robotic Olympiad (**PNUOPEN'13**), 2013, Mashhad, Iran.
4. N. Zare', **V. Khodabakhshi**, M. Karimi, Z. Dorostkar and S. H. Zolanvar, "*Nibiro Soccer 2D Simulation Team Description*", 7th International Robotic Competitions (**IranOpen'12**), 2012, Tehran, Iran.
5. **V. Khodabakhshi**, N. Keyhani Rad, M. Mesri and S. H. Zolanvar, "*ParaNoid Soccer 2D Simulation Team Description 2011*", **RoboCup 2011 (SSIL'11)**, 2011, Expo Center, Istanbul, Turkey.
6. A. Tavafi, N. Nozari, **V. Khodabakhshi**, A. Gilanpour, R. Vatani, M. Rad Yousefi and S. Rahmatinia, "*LEAKIN'DROPS Soccer 2D Simulation Team Description 2010*", 2nd

International Robotic Competitions (AUTCup'10), Amirkabir Univ. of Tech., 2010 Tehran, Iran.

7. A. Tavafi, N. Nozari, **V. Khodabakhshi**, A. Gilanpour, R. Vatani, M. Rad Yousefi and S. Rahmatinia, "*LEAKIN'DROPS Soccer 2D Simulation Team Description 2010*", 3th National Khwarizmi Robotic Competition, 2010, Tehran, Iran.
8. **V. Khodabakhshi**, S. H. Zolanvar, S. Momeni, M. Khosravi, M. Mohajer and P. Mahour, "*ParaNoid Soccer 2D Simulation Team Description 2010*", RoboCup 2010 (SSIL'10), 2010, Suntec Singapore International Convention and Exhibition Center, Singapore.
9. S. Ismael, M. Nourinick, **V. Khodabakhshi**, S. H. Zolanvar, S. Momeni and M. Khosravi, "*ShahedTech Soccer 2D Simulation Team Description 2010*", RoboCup 2010 (SSIL'10), 2010, Suntec Singapore International Convention and Exhibition Center, Singapore.
10. **V. Khodabakhshi**, S. H. Zolanvar, S. Momeni, M. Khosravi, M. Mohajer and P. Mahour, "*ParaNoid Soccer 2D Simulation Team Description 2010*", 2nd National Robotic Competition (GUILAN OPEN'10), 2010, Guilan, Iran.
11. **V. Khodabakhshi**, M. Khosravi, S. H. Zolanvar and S. Momeni, "*Miracle Soccer 2D Simulation Team Description 2009*", 2nd National Khwarizmi Robotic Competition, 2009, Tehran, Iran.
12. **V. Khodabakhshi**, S. H. Zolanvar, S. Momeni, M. Khosravi, A. Tavafi, M. Mohajer, P. Mahour and A. Samani, "*ParaNoid Soccer 2D Simulation Team Description 2009*", 1st International Robotic Competitions (AUTCup'09), Amirkabir Univ. of Tech., 2009 Tehran, Iran.
13. **V. Khodabakhshi**, B. Hasanizadeh, R. Rouzitalab, M. Soltani, "*Miracle Soccer 2D Simulation Team Description*", 4th International Robotic Competitions (IranOpen'09), 2009, Qazvin Islamic Azad University, Qazvin, Iran.

Thesis

1. **V. Khodabakhshi**, "*A Privacy-Preserving Network Communication Protocol*", **M.Sc.** thesis, Sep 2013, Computer Engineering Department, Sharif University of Technology, Under Supervision of Dr. R. Jalili and Consultation of Dr. M. Kharrazi, Tehran, Iran.
2. **V. Khodabakhshi**, and A. Bazoubandi, "*Evaluation & Implementation of a modified Ad-hoc On Demand Distance Vector (AODV) Routing Algorithm in Mobile Ad hoc Networks (MANET)*", **B.Sc.** thesis, Sep 2011, Computer & IT Engineering Department, Shiraz University of Technology, Under Supervision of Dr. M. Keshtgari and Consultation of Dr. M. R. Kharazmi, Shiraz, Iran.

Scientific Activities & Professional Experiences

Scientific Program Committee

- Head of Technical Committee in 7th Tehran Robotics Competitions for High School Students, Soccer 2D Simulation League, summer 2010, Tehran, Iran.
- Head of Executive, Organizing and Technical Committee in 1st National Robotic Competitions (RoboTech'10), Othello Simulation League, Shiraz Univ. of Tech., winter 2010, Shiraz, Iran.
- Member of Technical Committee in 2nd National Robotic Competitions (GUILAN OPEN'10), Soccer 2D Simulation League, winter 2010, Guilan, Iran.
- Head of Organizing and Technical Committee in 2nd Tehran Othello Competitions, Othello Simulation League, summer 2009, Tehran, Iran.
- Head of Technical Committee in 1st International Big Prize Festival of Islamic Resistance, Soccer 2D Simulation League, summer 2009, Tehran, Iran.
- Head of Technical Committee in 6th Tehran Robotics Competitions for High School Students, Soccer 2D Simulation League, spring 2009, Tehran, Iran.

Teaching Experiences

- Course Materials: **Introduction to Data Structures and Algorithms, Multi Agent Systems, Linux Shell, C++ Programming Language, RoboCup 2D Soccer Simulation and AI Training Course**, "[Iran Atomic Energy](#)" High School, 2012-Present, Tehran, Iran. *[Short & Long term planning. Training Courses included 5 top Students.]*
- Course Materials: **Introduction to Data Structures and Algorithms, Multi Agent Systems, Linux Shell, C++ Programming Language, RoboCup 2D Soccer Simulation and AI Training Course**, "[Salam Dibaji](#)" High School, 2011-Present, Tehran, Iran. *[Long term planning. Training Courses included 2 top Students. This Training Course was about 100 hours in length and held over a period of 8 months.]*
- Course Materials: **Introduction to Data Structures and Algorithms, Multi Agent Systems, Linux Shell, C++ Programming Language, RoboCup 2D Soccer Simulation and AI Training Course**, [Islamic Azad University of Garmsar](#), 2012, Garmsar, Semnan, Iran. *[Short & Long term planning and holding final exam. Training Courses included about 10 top bachelor students. This Training Course was 50 hours in length and held over a period of 6 months.]*
- Course Materials: **Introduction to Data Structures and Algorithms, Linux Shell, C++ Programming Language, RoboCup 2D Soccer Simulation**, "[Reyhaneh](#)" High School, 2012, Tehran, Iran. *[Training Courses included 2 top Students. This Training Course was 10 hours in length and held over a period of 6 weeks.]*

- Course Material: **Basic & Advanced Programming in Java**, [Raymand Institute of Technology](#), 2011, Tehran, Iran. *[This Training Course was 50 hours in length and held over a period of 10 weeks.]*
- Course Materials: **Multi Agent Systems, Linux Shell, C++ Programming Language, RoboCup 2D Soccer Simulation and AI Training Course**, [Center of Student Scientific Association of Shiraz University of Technology \(SSAS\)](#), 2008-2009-2010-2011, Shiraz, Iran. *[Managing trainers and teaching materials; giving reports; Short & Long term planning and holding exams. Training Courses included more than 30 top bachelor students. The position was taken for 4 consecutive years in 2008, 2009, 2010 and 2011.]*
- Course Materials: **Advanced Programming in Java & C/C++**, [Center of Student Scientific Association of Shiraz University of Technology \(SSAS\)](#), 2010, Shiraz, Iran. *[This Training Course included more than 20 bachelor students held over a period of 4 weeks.]*
- **Instructor** of “Fabulous” RoboCup Soccer 2D Simulation Team, [“Dr. Kazemi” Research Center](#), 2009, Tehran, Iran. *[4th Place in Amirkabir Univ. of Tech. 1st International Robotic Competitions AUTCup 2009 - Soccer 2D Simulation League, Iran, Tehran, 2009.]*
- Course Materials: **Professional RoboCup Training Course [Unix/Linux Shell Programming, Socket Programming in C++, RoboCup 2D Soccer Simulation “Agent2D” Base]**, [“Dr. Kazemi” Research Center](#), 2009, Tehran, Iran. *[This Training Course included about 20 top high-school students (selected through several exams) held over a period of 6 weeks.]*
- Course Materials: **C/C++ Programming Language, Fundamentals of Discrete Mathematics and RoboCup 2D Soccer Simulation Training Course**, [Hafez High School](#), 2006-2007, Tehran, Iran. *[This Training Course included more than 10 top high-school students held over a period of 8 weeks.]*

Teaching Assistantship

- Teaching Assistant at [Computer Engineering Department of Sharif University of Technology](#) during *graduate* study:
 - [CE40-533] **Advanced (Distributed) Operating Systems**, fall '12. *(Graduate) – Head of TAs*
 - [CE40-153] **Fundamentals of Computer Programming (C/C++)** fall '12. *(Undergraduate) – Head of TAs*
 - [CE40-153] **Fundamentals of Computer Programming (C/C++)** fall '11. *(Undergraduate)*
- Teaching Assistant at [Computer & IT Engineering Department of Shiraz University of Technology](#) during *undergraduate* study:
 - **Design and Analysis of Algorithms**, fall '09. *(Undergraduate)*

Laboratory Experience

- **Data & Network Security Laboratory (DNSL)**, Dept. of Computer Engineering, Sharif University of Technology, Oct 2011 – Present.
- **Computer Network Laboratory**, Dept. of Computer & Information Technology Engineering, Shiraz University of Technology, Sep 2009 - Jun 2011.

Selected Software Development Projects

- **Robocup Soccer Simulation 2D AutoPlay**, Since 2013 (Latest released version: 0.4)

Description:

This is a program designed for fully automated holding soccer simulation 2d matches. It could be launch any number of matches between the teams without user intervention and has ability to save matches' results in text and html format. AutoPlay is licensed under GNU General Public License, version 3. AutoPlay v0.4 released in April 2013 as the first released version of AutoPlay. It will be available soon from sourceforge.net!

- Role: Author, lead developer

- **Design and Implementation of the Singhal Token based Mutual Exclusion Algorithm in Kernel-space of FreeBSD**, Since 2012

- **Satellites' Footprints Simulator**, Since 2011

Description:

This is a satellite tracking program written in Java. It allows you to predict the position of any satellite in real time or in the past or future. It uses advanced SGP4/SDP4 algorithms developed by NASA/NORAD or customizable high precision solvers to propagate satellite orbits. The program also allows for easy updating of current satellite tracking data via CelesTrak.com. Because this application was written in Java, it should run on almost any operating system or directly off the web using java web start!

Role: Project Coordinator, member of development group

- **Othello Simulation Server & Monitor**, Since 2009

Description:

Othello is a two-player game. One player has the black stones (An Intelligent Program), the other the white ones (Another Intelligent Program). The players alternately set stones on the board, black starts. Any stones of the opponent that get caught between two of your stones by a newly set stone are flipped, i.e., they change color. You may only set a piece if doing so will flip at least one other piece. Otherwise, you have to pass, and it's again your opponent's turn. The game ends when either the board is full, or neither player can make a move. At that moment, the player who has the most pieces of his color has won. Draws are possible. Othello Simulation Server simulates all situation of a game between two intelligent programs and its monitor show the board of the game.

Role: Author, lead developer

- **Math Workplace**, Since 2005

Description:

Math Workplace is an easy to use freeware handy 2D math-graphing program. It was originally designed to help students and teachers satisfy their day-after-day math plotting needs. It makes it easy to plot and explore common $Y(X) = F(X)$ Cartesian graphs, zoom or

shift a graph with just a single click & move of mouse. The picture can be than exported to a file or windows clipboard as a bitmap.

Role: Author, lead developer

Scientific & Professional Memberships

- Member of Data & Network Security Laboratory (DNSL), Dept. of Computer Eng., Sharif University of Technology, Since 2011.
- Originator & Senior Member of RoboCup Soccer 2D Research Group in Shiraz Univ. of Tech., Since 2008. [About 4 Years]
- Senior Member of Board of Student Scientific Association of Shiraz University of Technology, 2009-2010. [Responsibilities include managing extracurricular activities of department students, managing workshops, invited talked and seminars, scientific groups, etc.]
- Active Member of “SourceForge.net“ as World's Largest Open Source Software Development Web Site, Since 2009.

Scientific Competitions Participation

- Participation in RoboCup 2013, Soccer 2D Simulation League, as technical manager and a member of “**FC-Perspolis**” team, June 2013, Eindhoven University of Technology, Eindhoven, the Netherlands (*EXPECTED*).
- Participation in 8th International Robotic Competitions (IranOpen'13), Soccer 2D Simulation League, as technical manager and a member of “**FC-Perspolis**” team, April 2013, Tehran, Iran.
- Participation in 3th National Robotic Olympiad (PNUOPEN'13), Soccer 2D Simulation League, as technical manager and a member of “**FC-Perspolis**” team, March 2013, Mashhad, Iran.
- Participation in 3rd National Competition of Penetration and Defense in Cyberspace, Sharif CERT Center (APA), Computer Eng. Dept., Sharif Univ. of Tech., as leader & a member of “**ParaNoid**” team, December 2012, Tehran, Iran.
- Participation in Promotional Poster Designing Competitions of 3rd National Competition of Penetration and Defense in Cyberspace, Sharif CERT Center (APA), Computer Eng. Dept., Sharif Univ. of Tech., December 2012, Tehran, Iran.
- Participation in 2nd National Competition of Penetration and Defense in Cyberspace, Sharif CERT Center (APA), Computer Eng. Dept., Sharif Univ. of Tech., as leader & a member of “**ParaNoid**” team, May 2012, Tehran, Iran.
- Participation in Promotional Poster Designing Competitions of 2nd National Competition of Penetration and Defense in Cyberspace, Sharif CERT Center (APA), Computer Eng. Dept., Sharif Univ. of Tech., May 2012, Tehran, Iran.

- Participation in 7th International Robotic Competitions (IranOpen'12), Soccer Simulation 2D League, as a member of "**NIBIRO**" team, April 2012, Tehran, Iran.
- Participation in 12th ACM ICPC Regional Contest in West Asia, Tehran Site, Computer Eng. Dept., Sharif Univ. of Tech., as leader & a member of "**TheLastOnes**" team, December 2010, Tehran, Iran.
- Participation in 11th ACM ICPC Regional Contest in West Asia, Tehran Site, Computer Eng. Dept., Sharif Univ. of Tech., as leader & a member of "**TITANS**" team, December 2009, Tehran, Iran.
- Participation in 10th ACM ICPC Regional Contest in West Asia, Tehran Site, Computer Eng. Dept., Sharif Univ. of Tech., as a member of "**TITANS**" team, December 2008, Tehran, Iran.
- Participation in 2nd Regional Snake Simulation League, Shiraz Univ. of Tech., as leader & a member of "**PsychoPass**" team, 2011, Shiraz, Iran.
- Participation in 2nd National Robotic Competitions (RoboTech'11), Shiraz Univ. of Tech., Snake Simulation League, as leader & a member of "**Melancholia**" team, 2011, Shiraz, Iran.
- Participation in 2nd International Robotic Competitions (AUTCup'10), Amirkabir Univ. of Tech., Soccer 2D Simulation League, as a member of "**LEAKIN'DROPS**" team, 2010, Tehran, Iran.
- Participation in 3th National Khwarizmi Robotic Competition, Soccer 2D Simulation League, as a member of "**LEAKIN'DROPS**" team, 2010, Tehran, Iran.
- Participation in 2nd National Robotic Competition (GUILAN OPEN'10), Soccer 2D Simulation League, as a member of "**ParaNoid**" team, 2010, Guilan, Iran.
- Participation in 2nd National Khwarizmi Robotic Competition, Soccer Simulation 2D League, as leader & a member of "**Miracle**" team, 2009, Tehran, Iran.
- Participation in 1st International Robotic Competitions (AUTCup'09), Amirkabir Univ. of Tech., Soccer 2D Simulation League, as leader & a member of "**ParaNoid**" team, 2009, Tehran, Iran.
- Participation in 4th International Robotic Competitions (IranOpen'09), Soccer 2D Simulation League, as leader & a member of "**Miracle**" team, April 2009, Qazvin, Iran.

Computer Skills

Application Programming:

Fluent in: C/C++, Java [J2SE and J2EE], Basic and VB.Net

Familiar with: Assembly x86, C#.Net, Delphi, Pascal, Action Script and VHDL

Web Programming:

Fluent in: HTML, XHTML, CSS and XML [XML, DTD, and Schema]
Familiar with: XML [XSLT, XPath, XQuery, XLink and XPointer]

Browser Scripting:

Fluent in: JavaScript and VBScript
Familiar with: Ajax and JQuery

Server Scripting:

Fluent in: PHP and JSP/Servlet
Familiar with: ASP.Net

Shell Scripting:

Fluent in: Unix/Linux: bash, sh, csh, tcsh, awk, sed and tcl
Windows/Dos: Batch
Familiar with: Perl and Python

Web Services:

Fluent in: SOAP and RSS
Familiar with: REST and RDF

DBMS:

Fluent in: MS-SQL Server, MySQL and PostgreSQL
Familiar with: MS-Access and Oracle

Networking Systems:

Fluent in: VPN and Tunneling Technologies [IPSec, SSL, GRE and ...]
Familiar with: Terminal Services and DNS

Operating Systems:

MS-Win: 95/98/ME/2000/NT/XP/Vista/7
UNIX: BSD-based FreeBSD
Linux: RPM-based [RedHat, Fedora, CentOS and SUSE]
Debian-based [Ubuntu and Parsix]
Gentoo-based [Sabayon]

IDEs:

Fluent in: Eclipse, Net Beans, and Visual Studio.net

Network Security:

Fluent in: Penetration Test, Many related tools [such as Kali and Backtrack tools & ...]
Familiar with: Network Forensics

Network Simulators:

Fluent in: OPNET Modeler and NS2

Graphics Tools:

Fluent in: Adobe Photoshop and Adobe Light room

Familiar with: Adobe Fireworks, Corel Draw and GIMP
Adobe Flash

Typesetting:

Fluent in: Microsoft Word, Open Office, Libre Office, and \LaTeX

Others:

Fluent in: Software Security Advanced Methods
Cracking, Anti Cracking, Packing and Unpacking
[Serial Fishing, Magic Bytes, Unpacking, Code Injection,
Inline Patching and Serial Protection]

Natural Languages

Persian: Excellent, Native Speaker
English: Fluent
Russian: Familiar
Arabic: Familiar

References

Dr. Rasool Jalili [M. Sc. Supervisor]

- Degree: Associate Professor
- Address: Room 806, Computer Eng. Dept., Sharif Univ. of Tech., Tehran, Iran.
- Web: <http://jalili.org>
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- Phone: +98-21-6616-6617
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Dr. Mehdi Kharrazi [M. Sc. Consultant]

- Degree: Assistant Professor
- Address: Room 609, Computer Eng. Dept., Sharif Univ. of Tech., Tehran, Iran.
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Dr. Manizheh Keshtgari [B. Sc. Supervisor]

- Degree: Assistant Professor
- Address: Floor 2nd, Computer & IT Eng. Dept., Shiraz Univ. of Tech., Shiraz, Iran.
- Web: <http://www.sutech.ac.ir/Portal/Show.aspx?Page=2050>
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- Phone: +98-711-7261-391
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Dr. Mohammad Rafi' Kharazmi [B. Sc. Consultant]

- Degree: Assistant Professor
 - Address: Floor 2nd, Computer & IT Eng. Dept., Shiraz Univ. of Tech., Shiraz, Iran.
 - Web: <http://www.sutech.ac.ir/Portal/Show.aspx?Page=2165>
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