



Research Experience

- **Web Security** - With over five years of experience, I'm seeking new challenges in network security. My background is strongly based on secure web programming, intrusion prevention, vulnerability assessment and identification, writing exploits, penetration testing, attack analysis, and host hardening. Results of my works have been published on well-known security websites (e.g. *SecurityFocus.com*, *Secunia.com*, etc)
- **Web Development** – More than six years of Web development experience, I'm focusing on Web standards (human and computer interaction), ease of use, ease of integration, and speed.

Education

- **Information Systems – Master by Research (MSc)** Apr 08 – Present
Digital Ecosystem and Business Intelligence Institute (*tier 1 research center at the Curtin University of Technology*). My research topic is *Web Spam* under supervision of Dr. Vidyasagar Potdar.
- **Information Technology Engineering – Bachelor of Science (BSc)** Oct 03 – Dec 07
Institute for Advanced Studies in Basic Sciences (*top research institute in the country based on number of ISI publications*) . My thesis title was *Pharmacist Assistant System* under supervision of Mr. Mohammad Azadnia.

Awards

- **Full Scholarship** Apr 08 – Present
Curtin International Research Tuition Scholarship (CIRTS) for persuading Masters & PhD at Curtin University of Technology with in the Digital Ecosystems and Business Intelligence Institute (DEBII).
- **Top Student** Oct 03 – Dec 07
Top student of Information Technology Department in Institute for Advanced Studies in Basic Sciences. My G.P.A was 18.3 out of 20.
- **Two Bronze Swimming Medals** Sept 98
the Iran Federation of Swimming, Isfahan, September 1998 and Iran Students Olympiad of Sports, Tehran, September 1998.

Publications

2008

- **Pedram Hayati**, Vidyasagar Potdar. "Evaluation of Email and Image Spam – a State of Art". IEEE Internet Computing. 2008 (*under review*).
- **Pedram Hayati**, Nastaran Jafari, Vidyasagar Potdar, Sara Mohammadrezaie, Saeed Satenche. "Modeling Input validation in UML". 19th Australian Software Engineering Conference (ASWEC2008), Perth, Wester Australia, 26-28 March 2008.

2007

- **Pedram Hayati**, Vidyasagar Potdar, Elizabeth Chang. "A Survey of Steganographic and Steganalytic Tools for the Digital Forensic Investigator". Workshop of Information Hiding and Digital Watermarking to be held in conjunction with IFIPTM, Moncton, New Brunswick, Canada. July 2007.

- Vidyasagar Potdar, **Pedram Hayati**, Madan Mohan M., Elizabeth Chang. "Assuring Data Integrity on RFID tags using Information Hiding Approach". Workshop of Information Hiding and Digital Watermarking to be held in conjunction with IFIPTM, Moncton, New Brunswick, Canada. July 2007.
- Vidyasagar Potdar, **Pedram Hayati**, Elizabeth Chang. "Improving RFID Read Rate Reliability by a Systematic Error Detection Approach". RFID Eurasia Conference 2007, Istanbul, Turkey, September 2007.
- **Pedram Hayati**. "Common vulnerabilities on web applications". The 4th convention of Information Security Management System, Tehran, Iran January 2007.

2006

- **Pedram Hayati**, Shayan Najid. "Web application security new definition". The 3rd convention of Information Security Management System, Tehran, Iran, January 2006.

Work Experience

→ Web Developer

My portfolio is accessible on: <http://debi.curtin.edu.au/~pedram/aboutme/portfolio.html>

UrOpi Inc (Australia).

Apr 08 - Present

Zanjan CMS Inc (as Team leader).

Jun 06 – Dec 07

Institute for Advanced Studies in Basic Sciences.

Dec 03 – Sept 07

→ Web/Network Security Specialist

Rahyar Co.

Mar 05 – Sept 05

Iran-Transfo Corporation (under license of SIEMENS, Germany)

Jun 07 – Sept 07

Institute for Advanced Studies in Basic Sciences.

Sept 07 – Mar 08

→ Video Conference Salon Designer

I designed the Point-to-Point(P2P) class at the *Institute for Advanced Studies in Basic Sciences*, in Feb 06 and also at *Khaje Nasir Toosi University of Technology* in Jul 2007.

→ Grid Computing Designer

I designed the Grid computing Network based on *Sun Grid Engine(NG6)* at the *Institute for Advanced Studies in Basic Sciences* in Mar 07.

Programming Language

→ Web Developing

PHP, Perl, CSS, XHTML, XML, SQL, JavaScript (AJAX),

→ Networking

C, C++, Java, Nessus Attack Scripting Language (NASL)

→ Client-Side

Java, VB

→ Handhold devices

Embedded Visual C (eVC) for Pocket PC.

Network Experience

- Linux Networking (DHCP, DNS, NIS and NFS servers implementation).
- FreeBSD Networking (DHCP and DNS servers implementation).
- Widows 2000 and 2003 Networking (DHCP, DNS and Active Directory servers implementation).
- Firewall/IDS/IPS implementation on Windows, Linux, and FreeBSD servers.
- Apache and IIS servers implementation and maintenance.
- Grid Computing.
- Point to Point and multi point video conferencing salon.

Security Advisories

Selected list of reported vulnerabilities on web applications:

- Homeftp r1.0.7 Denial of Service - Class: Failure to Handle Exceptional Conditions
- Cerberus FTP Server 2.32 Denial of Service - Class: Failure to Handle Exceptional Conditions
- paNews v2.0b4 XSS - Class: Input Validation Error
- paFAQ Beta4 SQL_Injection - Class: Input Validation Error
- PHPOpenChat v3.X XSS - Class: Input Validation Error
- PHP-Fusion v5.01 Html_Injection - Class: Input Validation Error
- Siteman v1.1.9 XSS vulnerability - Class: Input Validation Error

Research Interests

- Web Spam
- Web applications and network Security
- Digital Steganography
- Watermarking
- RFID

References

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