

Ehsan Mahdavi



CURRICULUM VITAE

October, 2014

PERSONAL INFORMATION

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|-----------------|---|
| Gender | MALE |
| • Status | Single |
| • Address | No 87 TH , Kheiri St. Sheikh Toosi St. Isfahan. Isfahan. |
| • Telephone | +98-311-XXXXXX |
| • Cell Phone | +98-912-XXXXXX |
| • Date of Birth | November 1st, 1984 |
| • E-mail | e.mahdavi@ec.iut.ac.ir |

EDUCATION AND TRAINING

- | | |
|---|--|
| • Dates (from – to) | 2012-present |
| • Name and type of organization
Providing education and training | Computer and Electronics engineering Faculty, Computer Engineering
Department, Isfahan University of technology
Ph.D. candidate for Software Engineering
Ph.D. thesis in Computers and network security
Average Score: 18.27 |
| • Principal subjects/occupational
Skills covered/Branch | |
| • Title of qualification awarded | 2009-2012 |
| • Rank | Mathematical Science Faculty, Computer Science Department,
Shahid Beheshti University (National University of Iran) Computer Science
M.Sc. in Computer Science
M.Sc. thesis in Bioinformatics
Average Score: 17.54 |
| | 2004-2008 |
| | Mathematical Science Faculty, Computer Science Department, Shahid
Beheshti University
Computer Science
Information Systems / Algorithm B.Sc. in Computer Science
Graduated in top 10% Students |

PUBLICATIONS

- Accepted papers
- Submitted manuscripts

“miRNA Target Recognition using Alignment-derived Features”, with Dr.Katanforush, thesis derived paper, Accepted in International Journal of Data Mining and Bioinformatics, 2014

“Exp-Function Method for Finding Some Exact Solutions of Rosenau Kawahara and Rosenau Korteweg-de Vries Equations”, E.Mahdavi, Published in International Journal of Mathematical, Computational, Physical and Quantum Engineering, Vol.8, N.6, 993 – 999, 2014

M.Omoomi, S.Samavi, E.Mahdavi “Adaptive Steganography by Pseudo Random Cover dependent noise”, 5th Iranian Society of Cryptology Conference, Iran, 2008

M.Mahdavi, S.Samavi, E.Mahdavi “Pseudo Random Pairing Steganography”, 4Th Iranian Society of Cryptology Conference, Iranian university of science & technology, Iran 2007

“Steganogrpahy Based on Elliptic Curves Pairing”, With Z.Eslami, Submitted to Journal of Systems and Software, Elsevier, 2013

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

OTHER LANGUAGES

Farsi

English
 Tolimo Total Score: 552
 Tolimo Writing Score: 5.5 /6
 Tolimo Universal Percentile Rank: 80

TECHNICAL SKILLS AND COMPETENCES

With computers, specific kinds of Equipment, machinery, etc.

- C/C++
- Java
- Mathematical software: Matlab
- DB Language (SQL)
- Linux programming and service configuration
- Data Base Platforms (MSSQL Server / MYSQL)
- C++ GUI Programming with Qt
- Mathematical software: Maple
- Also familiar to web-based programming (PHP)
- Win32 API Developer
- Linux application development with C++ (Qt)
- Linux configuration and service management

RESEARCH INTERESTS

Network Security
 Artificial Intelligence
 IDS/IPS
 Data Hiding
 Image Processing
 Operating systems

RESEARCH EXPERIENCE

Studies “Reinforcement Learning” as part of course studies, Advanced Artificial Intelligence, Shahid Beheshti University, spring 2010

Studies on Fuzzy Logic, under supervision of Dr. L.Sharif, Shahid Beheshti University, winter 2009

Studies on Echo (acoustic and hybrid), to achieve echo cancellation, team work of own interest, summer 2009

Researches on MP3 and OGG (Audio/standard formats of compressing) due to goal of Steganography in compressed audio domain, Group work of own interests, summer 2009,

Information Retrieval (structured), B.Sc. Thesis, under supervision of Dr. L.Sharif, Shahid Beheshti University, summer 2008

Some Researches as “Introduction to Hack & Attack” as a part of course studies (Internet Engineering) under supervision of Dry H.ShahHoseini, Shahid Beheshti University, Spring2008

Some Researches about Data Compression (Video/standard formats of compressing) as a part of course experiments (Multimedia Systems) under supervision of Dr. A.M.Eftekhari Moghaddam, Shahid Beheshti University, and Spring2008

Studies and Researches about Steganography and Watermarking lead some publications under supervision of Prof S.Samavi, Isfahan University of Technology, and Spring2006-Summer 2008

Some Researches and Experiences about Information Systems (Information Systems Analysis & Design / Methodology) as a part of courses studies under Supervision of Dr. B.Zakeri, Shahid Beheshti University, fall 2006 - spring 2007

Some Studies about “How to Hack Operating Systems” as a part of Operating Systems course researches under supervision of Dr. F.Safaei, Shahid Beheshti University, spring 2006

Some Studies about “Error Correction” as a part of Computer Architecture course researches under supervision of Dr. F.Safaei, Shahid Beheshti University, fall 2005

Employment

- Dates (from – to)
- Name and type of organization
- Providing education and training
- Principal subjects/occupational Skills covered/Branch

Spring 2012-Present
PadidAvaran NaramAfzar (PANA) Co, Isfahan, Isfahan Province
Network Security/ R&D Member
Member of UTM (Unified Threat Management) development Team
Head of WAF (Web Application Firewall) project

Spring 2009-Spring 2011
PayamPardaz Co, Isfahan, Isfahan Province
Security Systems / Security Adviser / Operating systems security

TECHNICAL ACTIVITIES

- Developing WAF appliance, WAF project, PANA Co, 2013-Present.
- Application for configuring PPTP, L2TP and IPsec VPNs in linux, UTM project, PANA Co, 2013
- Preparing proposal on “Steganography in compressed audio domain”, PayamPardaz Co, summer 2009
- Vulnerability scanning and Penetration testing, Payam Pardaz Co, 2010
- Providing Security checklists for applications, services and operating systems, Payam Pardaz Co, 2010.
- Implementing and applying echo canceller for mobile and landline encoder, Payam Pardaz Co, 2009
- Security assessment of Smart card applications, PANA Co, 2012
- Penetration testing by metasploit, PANA CO, 2012
- Preparing proposal on “Embedding high data volumes”, PayamPardaz Co, summer 2009
- Vulnerability Seeking in Computer Network, IRI Railways-PayamPardaz Co, spring –summer 2010
- Implementation of string alignments with various penalty models for RNA alignments, During M.Sc. thesis, with C++, fall 2011
- Applying various classification methods in Matlab for features extracted from gene expression profiles and various RNA alignments, winter 2011
- ”Coding System for a Dynamic Depository System” as a part of course Database and Course Software Engineering experiments , Shahid Beheshti University, Spring 2007
- Implementation Of parser for LL (1), LALR (1) &LR (1) languages By C++ as a part of course experiments (compiler) under supervision of Dr. Gh.JaberiPour, Shahid Beheshti University, fall 2006
- Implementation of some Interpolation Method By mathematical software Maple as a part of course experiments under supervision of Dr. K.Parand, Shahid Beheshti University, spring 2006
- Implementation of a multi-language Dictionary by Java as a part of course experiments, under supervision of Dr. S.SiadatNejad, Shahid Beheshti University, and fall 2004

OTHER ACTIVITIES

- Effort and tasks as a colonist for Scientific Association of Computer Science Department of Shahid Beheshti University, winter 2006
- Manager of Scientific Association of Computer Science Department of Shahid Beheshti University, winter 2006- fall 2007