Amir Vaheb

CONTACT INFORMATION

Department of Mathematical Sciences
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RESEARCH INTERESTS

Data Analysis, Machine Learning, Algorithm Design & Analysis, Image Processing, Computational Geometry, Artificial Intelligence

EDUCATION

Sharif University of Technology, Tehran, Iran   Sept. 2009 - June 2015
B.Sc. in *Computer Science*

Sadr High School, Tehran, Iran   Sept. 2004 - June 2008
Diploma in *Mathematics and Physics*

HONOURS AND AWARDS

Ranked Top 0.5% (Out of 400,000 Participants) in Nationwide University Entrance Exam   July 2009
Ranked Top 0.5% in Nationwide Azad University Entrance Exam   July 2009

ACADEMIC EXPERIENCE

B.Sc. Thesis

- Visualization of Computational Geometry Algorithms & Geometric Objects with Processing Language
Supervisor: Dr. Alireza Zarei
Department of Mathematical Sciences, Sharif University of Technology   July 2014 - June 2015

Selected Projects

- Simple Spam Classifier
Project Supervisor: Meisam Madani phD.
Sharif University of Technology   July 2014
- Designing a Basic Firewall - Execution of a Simple Firewall for Controlling Input and Output Traffic in Network Layer and Supplying a Secure System
Project Supervisor: Rahim Ramezanian phD.
Sharif University of Technology   Spring 2014
- Damn Vulnerable Web Application (DVWA)- a PHP/MySQL Web Application that Processes Web Security Applications and Tests their Vulnerability
Project Supervisor: Rahim Ramezanian phD.
Sharif University of Technology   Spring 2014
- A Thorough Guide on How to Use R Software (Data Mining Software)
Project Supervisor: Meisam Madani phD.
Sharif University of Technology   July 2013
- Treasure Find - A Multi-threaded Simulator for a Treasure Finding Game
Project Supervisor: Mr. Masoud Memarzadeh
Sharif University of Technology   Spring 2013
- Implementation of Three Computational Geometry Algorithms
Project Supervisor: Dr. Yahya Tabesh
Sharif University of Technology   Spring 2012
- Web Crawler
Project Supervisors: Mr. Azin Azadi
Sharif University of Technology   Spring 2010
- Foosball Game - Using Python Codes to design Foosball Game and Arrange a Tournament
Project Supervisors: Mr. Azin Azadi
Sharif University of Technology   July 2010
- Cooperated in GraphLab project - A Software on Visualizing Graphs and Demonstrating Graph-based Algorithms
Project Supervisors: Dr. Amir Daneshgar, Azin Azadi
Sharif University of Technology   Sept. 2010 – Sept. 2011

Teaching Assistant

- Operation Systems
  Instrctor : Hamidreza Mahyar phD.
  Department of Mathematical Sciences, *Sharif University of Technology*   Spring 2014

Other

- Member of Math Scientific and Extracurricular Group
  Department of Mathematical Sciences
  Sharif University of Technology   Sept. 2012 – Sept. 2013

- Member of the Group Executive Committee
  National Advanced Mathematical Competition of CROWS 2011
  Financed by Mathematical Sciences Department of Sharif University of Technology
  Superviser: Prof. Amir Asghari   Nov. 2010

SELECTED
COURSES

Sharif University of Technology

- Computer Technology (Machine Learning) (18/20)   Spring 2014
- Internet Governance (18/20)   Spring 2014
- Graph Theory (17.5/20)   Spring 2014
- Computer Applications In Industry (Focused on Data Mining) (16.8/20)   Spring 2013
- Operating Systems (16.8/20)   Spring 2013
- Operations Research I (15.1/20)   Spring 2011
- Advanced Programming (19.5/20)   Spring 2010
- Calculus I (18.5/20)   Spring 2010
- Calculus II (17.5/20)   Fall 2010
- Fundamentals of Computer Programming (20/20)   Fall 2009

WORK
EXPERIENCE

Tosan Co.   Sept. 2012 - Sept.2014
Software Quality Assurance Analyst

- Evaluated and Recommended Test Automation Tools and Determined Suitability with Various Development Tools.
- Developed and Implemented Test Suites Including Data Driven Tests, Database Checks and Database Test Functions.
- Automatic Web Application Testing with QTP and Testcomplete.

COMPUTER
SKILLS

Programming Languages
Python, Java, Processing,VB, Javascript, PL/SQL

Applications & Software Packages
Matlab, Scilab, R, Vensim, QTP, TestComplete, Adobe Photoshop

Web Technologies
Javascript, jQuery, Processing.js, CSS3

Other Technologies
MySQL, .NET, XML, SVN, Android

Operating Systems
Windows, Linux (Ubuntu)

Publishing
LaTeX, MS Office Pack

LANGUAGE
SKILLS

Farsi Native
English Fluent
Arabic General Comprehension

INTERESTS &
ACTIVITIES

Sports
Passionate about Soccer, Have a Habit of Swimming Two Days a Week

Other
Reading Books and Scientific Magazines, Traveling and Sightseeing, Listening to Music, Video Games, Problem Solving