

Seyyed Mohammad Ali Jazayeri

Email: sma.jazayeri@gmail.com

Phone: +98 (21) 2229 2714

No. 2, Oroomian Alley, Ajoodanieh St, Aghdasieh Ave, Tehran, Iran

http://www.ce.sharif.edu/~m_jazayeri/

Areas of Research Interest

- Data mining, data management.
- Computer networks, social networks
- Software engineering topics, systems analysis and design.

Education

- Sept. 2011 - Present **Master of Science,
Geomatics Engineering Department
University of Calgary (Canada)**
- Sept. 2005 - Dec. 2009 **Bachelor of Science,
Computer Engineering (Software),
Computer Engineering Department
Sharif University of Technology of Iran**
- GPA of the last 4 semesters: 16.9 out of 20
 - Thesis: Routing on Map
Studied routing on 3 different maps of Tehran city. Did the routing on Garmin Map and showed the result on a Google Map. This project was built by Java and PHP (Symfony) and I used 4 AI algorithms to improve routing.
- Sept. 2001 - Jun. 2005 **Diploma in Math,
Pirooz Pre-University & High School**
- GPA: 19.89 out of 20 (Ranked 1st)
- Apr. 2010 - Present **Web Programming and Cryptography
SIMRA Co., Tehran, Iran**
- Developing a Symfony project for secure content media delivery.
- Jul. 2010 - Sep. 2011 **Real Time OSs,
Computer Engineering Dept., Sharif University**
- Developed test files in C language for different Real Time OSs and research on them to compare their functionalities in different areas.
- Oct. 2010 – Jun. 2011 **Web Programming,
Mehran Electronics Co., Tehran, Iran**
- Developed a Symfony project for online complex marketing.
- Jul. 2009 - Sept. 2009 **Web Programming
Computer Engineering Dept., Sharif University**
- Reconstructed the website of Computer Engineering Department in Symfony framework.
 - http://213.233.168.21/CE/web/frontend_dev.php/termList
- Feb. 2008 - May 2008 **JAVA Programming and Working on AI Algorithms
Artificial Intelligence Lab, CE. Dept., Sharif University**
- Worked on a “*Word Recognition*” project, under the supervision of R.Halavati (PhD Candidate).
- Jun. 2008 – Sep. 2008 **C# Software Development**

Research and Work Experience

Teaching Experience

Jahan Rayane Co. , Tehran, Iran

- Developed a C# project to schedule the plan of the company
- Teaching at Soroush Data Co.:
 - “Web Programming Languages” (Spring 2010.)
- Teaching assistant at Sharif University:
 - ”Systems Analysis and Design” (Spring 2010, Fall 2009, Spring 2009)
 - “Signals & Systems”(Spring 2010, Fall 2009, Spring 2009)
 - “Modern Information Retrieval”(Spring 2010)
 - “Software Engineering” (Fall 2009)
 - “Web Programming” (Fall 2009)
 - ”C Programming” (Spring 2008)
 - “Logic Circuits” (Spring 2008)
- Tutoring at Sharif University:
 - “Data Structure” (Jun. 2008)
- Teaching assistant at Pirooz High School
 - “Calculus”, “Discrete Mathematics” and “Geometry” courses (2005 – 2008)

Course Projects

Organization Management System

Developed using Rational Unified Process (RUP) methodology and C# language

Integrated Educational Management System of Sharif University

Developed using Rational Unified Process (RUP) methodology and PHP language

TV Program Schedule website, Discussion Forum and a Virtual Hospital

Built in PHP and Symfony framework

A Search Engine named MOOGLE

Some techniques of Info. Retrieval, Ranking & Request Handling were used

Socket Programming, Router Management & Packet Sniffing

Built in C, Linux platform.

Implementation of Watermarking, Filtering & Compressing Signals

Developed using MATLAB

Parameters Optimizer, Chess Player Agent & Message Decrypting

Built in JAVA and used AI algorithms & techniques such as Alfa-Beta Pruning, Transpositio Table, Killer Heuristic, Minimum Remaining Values, Minimum Conflicts, Hill Climbing, Simulated Annealing Search, Local Beam Search and Genetic Algorithm.

Sound Editor Project, and a Pascal Compiler

Built in JAVA with GUIs

Skills

- Software Engineering skills:
 - Rational Unified Process (RUP), waterfall and prototyping methodologies.
 - Project Management (experienced at university-scale group projects)
 - Familiar with Ms Project, Visual Paradigm & System Architecture Software.
- Programming languages:
 - Java (J2SE, J2EE), Microsoft C# .Net, C and C++, MATLAB, Prolog.
- Web Development:
 - HTML, CSS, JavaScript, JSP, PHP, Symfony (a PHP framework released since 2005)

- Databases:
 - Microsoft SQL and MySQL
- Operating Systems:
 - Microsoft Windows, Linux, DOS
- Others:
 - Microsoft office, expert editors (Eclipse, Notepad ++, MS Visual Studio), wireshark and Ms Expression

Awards & Honors

- Geomatics Entrance Scholarship, University of Calgary (2011)
- Ranked 770th in the National University Entrance Exam amongst the approximate number of 500,000 applicants (2005)

Extracurricular Activities

- Holiday trip organizer of CE. Dept., Sharif University (2005-Present)
- Owner of “*Computer_sharif_84*” online group (2005-Present)
- Head of student association in CE. Dept., Sharif University (2005)

Languages

- Farsi or Persian (native), English (fluent), French (beginner)

Hobbies

- Music, movies, soccer, climbing, billiard and swim.

Reference

- Available Upon Request