



Jaber Rad

Curriculum Vitae

Education

- 2013 - 2016 **Information Technology** Master of Science
Department of Computer Engineering, Sharif University of Technology, Azadi Ave., Tehran, Iran, P.O. Box: 11365-11155
- GPA: 17.04 / 20 via 29 credits.
 - Thesis Title: *Modelling and simulation of melanoma cancer based on cellular automata approaches.*
 - Supervisor: Prof. Jafar Habibi.
- 2009 - 2013 **Information Technology** Bachelor of Science
Faculty of Computer and Electronic Engineering, Isfahan University of Technology, Isfahan, Iran, P.O. Box: 84156-83111
- GPA: 17.56 / 20 via 143 credits.
 - Thesis Title: *An application on Android platform based on REST-JSON web-service with a focus on academic services (Implementation & Testing).*
 - Supervisor: Prof. Mohammad Hossein Manshaei.
- 2005 - 2009 **Mathematics and Physics** High School Diploma
Malek Sabet Magnet School, Yazd, Iran, P.O. Box: 89169-65900
- GPA: 19.02 / 20

Research Experience

- 01/15 - Now **Research Assistant**
Office 601, Department of Computer Engineering, Sharif University of Technology - Under supervision of Prof. Jafar Habibi and Ph.D. candidate Mohammad Hossein Zangooei.
- Modelling and simulation of cancer evolution, utilizing cellular automata and agent-based approaches.
 - Working on a comprehensive and versatile framework for 3D graphical exhibition of tumor growth and as a platform for future investigations.
 - Collaboration in a research on BDI programming and implementing a multi-agent system, using JaCaMo framework.
- 09/13 - 03/15 **Research Assistant**
IT Center, Isfahan University of Technology - Under supervision of Dr. Sayed Gholam Hassan Tabatabaei.
- Analysis of cloud computing services, especially Microsoft Azure, OpenStack and Apprenda platforms.
 - Working on a customised cloud maturity model.
 - Designing and implementation of methods for transforming legacy applications to cloud-friendly architecture to let the applications benefit from all the facilities provided by the cloud.
- 06/13 - 09/13 **Android Developer (Internship)**
IT Center, Isfahan University of Technology - Under supervision of Prof. Mohammad Hossein Manshaei.



Date of Birth:
May 11th, 1991

Place of Birth: Yazd

Nationality: Iranian

Gender: Male



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General

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Teaching Experience

- Spring 2015 **Teaching Assistant**
Department of Computer Engineering, Sharif University of Technology - Course: *IT Project Management*, Under supervision of Dr. Abbas Heydarnoori.
- Spring 2015 **Teaching Assistant**
Department of Computer Engineering, Sharif University of Technology - Course: *Software Architecture*, Under supervision of Prof. Jafar Habibi.

Research Interests

- Bioinformatics and computational biology
- Cancer Modelling and Simulation
- Information Visualization (Specially applications in biological data visualization)
- Multi-Agent Systems - Agent-Oriented Programming

Honors & Awards

- 2013 **Honorary Admission for Graduate Study**
Accepted as a Talented Student for graduate studies in *Sharif University of Technology* and *Isfahan University of Technology* respectively without participating in the National University Entrance Examination.
- 2013 **Ranked 2nd in cumulative GPA**
among 36 students in Information Technology Engineering major of the department, 2009 beginners, Isfahan University of Technology.
- 2009 **Top 0.4%**
in National Bachelor Entrance Examination.

Personal Skills

Languages

- Persian (Farsi): Mother tongue
- English: IELTS test scores (Listening 7 - Reading 6 - Writing 6.5 - Speaking 6.5 - Overall 6.5)

Programming

- General languages: Java, C, C++/Qt, C#, Android, Matlab, OpenGL (Processing framework).
- Agent-Oriented languages: AgentSpeak, JaCaMo framework.
- Database languages: MS SQL Server, MySQL, SQLite.
- Integrated Development Environments: Eclipse, IntelliJ IDEA, Microsoft Visual Studio, Qt Creator.

Software Engineering

- Software analysis and design, Software Architecture, Software development methodologies, UML.

Tools

- Git, L^AT_EX, Microsoft Office Suite, Visual Paradigm, Prezi, Mendeley, protégé, Expert Choice, VMware Workstation, Wireshark.

Other skills

- Painting (Oil painting, Drawing, Scenic painting, Abstract painting)

Additional Information

Hobbies & Interests

Painting, Volleyball playing, Mountain climbing, Travelling and experiencing various cultures, Reading about technologies and tracking the progression, Listening to the renowned experts of different Scientific fields (Specially TED talks).