

Sadra Abedinzadeh, Ph.D.

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Currently living in **Guelph, ON**.



Education

2013 | Ph.D.

- Ph.D. in Computer Science
- Department of Computer Science, University of Regina, Regina, SK, Canada
 - Dissertation Title: Agent Trust Management based on Human Plausible Reasoning and Rough Sets: Application to Web search

2007 | Master of Science

- M.Sc. in Software Engineering
- Department of ECE, University of Tehran, Tehran, Iran
 - Thesis Title: A Multi Agent Approach to Cross Language Information Retrieval

2004 | Bachelor of Science

- B.Sc. in Computer Science
- Department of Computer Science, University of Tehran, Tehran, Iran

Research Interests

Machine Learning

- Trust management using Machine Learning
- Trust and Security

Multi Agent Systems

- Trust Management in Multi Agent Systems
- Methodologies and Implementations

Information Retrieval

- Models of Information Retrieval (IR)
- Cross Language Information Retrieval (CLIR)

- Information Retrieval in Persian
- Word Sense Disambiguation

Uncertain Reasoning

- Human Plausible Reasoning
- Theory of Rough Sets

Software Engineering

- Software Architecture Models
- Software Design Patterns
- Aspect Oriented Programming
- Service Oriented Programming

Publications

Refereed International Journals

1. S. Abedinzadeh and S. Sadaoui. Identifying Factors for Managing Trust in Open Multi-Agents Systems. *International Journal of Information Engineering, American V-King Scientific Publishing, Volume 4, Number 3, pp 68-77, Sep. 2014.*
2. S. Abedinzadeh and S. Sadaoui. A Trust-based Service Suggestion System using Human Plausible Reasoning. *Applied Intelligence, The International Journal of Artificial Intelligence, Neural Networks, and Complex Problem-Solving Technologies, Springer, pp. 1-21, Jan 19th, 2014.*
3. S. Abedinzadeh and S. Sadaoui. A Rough Sets-based Agent Trust Management Framework. *International Journal of Intelligent Systems and Applications, IJISA Volume 5, Number 4, pp. 1-19, MECS Publisher, March 2013.*

Refereed Conferences

1. S. Abedinzadeh and S. Sadaoui. "ScubAA: A Human Plausible Reasoning Approach to Agent Trust Management", *Proc. of 25th International Conference on Software Engineering and Knowledge Engineering, SEKE, poster paper, June 27-29 2013, (acceptance rate: 29.2%).*
2. S. Abedinzadeh and S. Sadaoui. "Trust Management based on Human Plausible Reasoning: Application to Web Search". *Proc. of 4th IEEE International Conference on Information Privacy, Security, Risk and Trust, PASSAT, ASE/IEEE, pp. 760- 765, Netherlands, Sept. 3-5, 2012.*
3. S. Abedinzadeh and S. Sadaoui. A Rough Set Approach to Agent Trust Management. *Proc. of International Symposium on Privacy and Security Applications, PSA-2010, IEEE Computer Society, pp. 1064-1071, Aug. 20-22, 2010, Minnesota, USA (acceptance rate: 10%).*
4. H. Amiri, M. Tavallaee, A. Zarnani, S. Abedinzadeh, F. Oroumchian and M. Rahgozar, "Tuning Lambda for Language Modeling Based Persian Retrieval," *Proc. of the 6th International Conference on Informatics and Systems, INFOS 2008, IEEE, 2008.*

5. K. Pashaei, S. Abedinzadeh and F. Taghiyareh, "Modeling an Agent Mediated Supply Chain Management System Using MAS-CommonKADS methodology," *1st International Conference on Digital Communications and Computer Applications (DCCA2007)*, IEEE, 2007.
6. H. Amiri, S. Abedinzadeh, M. Tavallaee, A. Zarnani, F. Oroumchian and M. Rahgozar, "Persian Retrieval Using Language Modeling," *XXIII. WASET International Conference*, 2007.
7. S. Abedinzadeh, K. Pashaei and F. Taghiyareh, "A User-Profile Based Multi Agent Information Retrieval System," *1st International Conference on Digital Communications and Computer Applications (DCCA2007)*, IEEE, 2007.
8. S. Abedinzadeh, K. Pashaei and F. Taghiyareh, "A Case Study on Tropos Methodology: Modeling a Cross Language Information Retrieval System," *1st International Conference on Digital Communications and Computer Applications (DCCA2007)*, IEEE, 2007.
9. R. Basseda, K. Pashaei, S. Abedinzadeh and F. Taghiyareh, "هوش دسته جمعی: راهبردی نوین برای سیستم های بازیابی (Swarm intelligence: A new Approach for Agent-based Intelligent Information Retrieval Systems)," *the 12th International CSI Computer Conference (CSICC'07)*, 2006.
10. S. Abedinzadeh, F. Taghiyareh and F. Oroumchian, "A Collection of Persian-English Documents," *the 2007 ICEE Iranian Conference on Electrical Engineering (ICEE 2007)*, 2007.
11. S. Abedinzadeh, K. Pashaei and F. Taghiyareh, "Modeling an Agent Mediated Cross Language Information Retrieval System Using Tropos," *the 2007 ICEE Iranian Conference on Electrical Engineering (ICEE 2007)*, 2007.
12. S. Abedinzadeh and S. Nasiri, "طراحی سامانه مدیریت بحران در هنگام رویداد زمین لرزه (Designing a Crisis Management System for Earthquake)," *The 1st International Conference on Integrated Natural Disaster Management*, 2006.

Honors

Achievements

- Ranked 49, out of 120,000 students in the University Entrance Exam for Master degree in Iran, 2004
- Ranked 1006, out of 1.5 million students in the University Entrance Exam for Bachelor degree in Iran, 2000.

Scholarships and Awards

- FGSR International Graduate Student Scholarship (IGSS) – Winter 2009
- FGSR Graduate Teaching Assistantships – Winter 2009
- FGSR Graduate Teaching Assistantships – Fall 2008
- FGSR Scholarships and Research Awards – Spring/Summer 2008

Achievements in Sports

- 2018 | Bronze Medal in Canadian National Masters' Soccer, Richmond, BC
- 2008 to 2016 | Member of Saskatchewan Senior Men's Handball Team
- 2003 to 2005 | Member of Iran's Students National Handball Team
- 2006 | Bronze Medal in Iran's University Students Handball league
- 2004 | Bronze Medal in Iran's University Students Olympic Games
- 2003 | Silver Medal in Iran's University Students Handball league
- Many other titles and medals in different events.

Experience

- Industry

2015 - Present | **Co-Founder & CTO**
carma Automotive Inc.

- Co-Founder
- CTO

2015 - Present | **Co-Founder & CTO**
BeatsUnion Music Inc.

- Co-Founder
- CTO

2008 - 2015 | **Lead Developer/Software Architect**
GB Internet Solutions

- Lead .Net Developer
- Lead Software Architect
- Senior Social Media Developer
- Senior Microsoft SQL Server Developer

2006 - 2008 | **Project Manager**
Kara2000 | Tehran, Iran

- Lead Developer
- Network (LAN & WAN) Administrator

2005 - 2006 | **Application Developer**
Farab Co. Ltd. | Tehran, Iran

- Senior Microsoft .Net Developer

2003 - 2005 | **Network Technician- Developer**
Orang Co. Ltd. | Tehran, Iran

- LAN & WAN Installation Technician
- Junior Microsoft .Net Developer

2000 - 2003 | **Software Developer**
Ryan Afzar Ltd. | Tehran, Iran

- Junior ASP Developer

- Academic

- Researcher

- Research Assistant, Department of Computer Science
University of Regina, Regina, SK, Canada
- Research Assistant, Department of ECE
University of Tehran, Tehran, Iran

- Invited Speaker

Winter 2014 | **CS 872 (Software Engineering)**,
Title: Factory Design Pattern: A real world example
Department of Computer Science, University of Regina, Regina, SK

Fall 2013 | **CS 476 (Software Development Project)**,
Winter 2013 | **CS 476 (Software Development Project)**
Title: Software Design Pattern – In theory and Practice
Department of Computer Science, University of Regina, Regina, SK

- Instructor

Fall 2011 | **CS 320 (Introduction to Artificial Intelligence)**
Department of Computer Science, University of Regina, Regina, SK

Fall 2007 | **Database Systems**
University of Applied Science and Technology, Tehran, Iran

Fall 2007 | **Introduction to Compilers**
University of Applied Science and Technology, Tehran, Iran

Winter 2007 | **Store and Retrieval of Information**
Saaveh Branch, Azad Islamic University, Saaveh, Iran

- Lab Instructor

Summer 2011 | **CS 215 Lab (Web Oriented Programming)**
Department of Computer Science, University of Regina, Regina, SK

Winter 2010 | **CS 115 Lab (Object-Oriented Design)**
Department of Computer Science, University of Regina, Regina, SK

Fall 2009 | **CS 115 Lab (Object-Oriented Design)**
Department of Computer Science, University of Regina, Regina, SK

Summer 2009 | **CS 215 Lab (Web Oriented Programming)**
Department of Computer Science, University of Regina, Regina, SK

- Teacher Assistant

Winter 2013 , **CS 215 (Web Oriented Programming)**
Department of Computer Science| University of Regina

Fall 2012 , **CS 315 (Data Structures)**
Department of Computer Science| University of Regina

Winter 2012 , **CS 110 (Programming and Problem Solving)**
Department of Computer Science| University of Regina

Summer 2011 , **CS 215 (Web Oriented Programming)**
Department of Computer Science| University of Regina

Winter 2011 , **CS 110 (Programming and Problem Solving)**
Department of Computer Science| University of Regina

Fall 2010 , **CS 270 (Management Information Systems)**
Department of Computer Science| University of Regina

Winter 2009 , **CS 335 (Computer Networks)**
Department of Computer Science| University of Regina

Skills

Communication

- Excellent written and verbal communication skills
- Confident, articulate, and professional speaking abilities (and experience)
- Empathic listener and persuasive speaker
- Speaking in public, to groups, or via electronic media
- Excellent presentation and negotiation skills

Problem Solving

- Combine patience, determination, and persistence to troubleshoot issues
- Dynamic, results-oriented problem solver
- Easily understand and solve technical problems
- Skilled at evaluating options and generating solutions
- Strong problem-solving and analytical skills
- Troubleshooting equipment or situations

Teamwork/Team Player

- Possess strong commitment to team environment dynamics with the ability to contribute expertise and follow leadership directives at appropriate times
- Thrive in a team environment and work well with others
- Enjoy working as a team member as well as independently
- Team leader and team player

Software Engineering

- Software Architecture Models (3-Tier, N-Tier, MVC, MVVM)
- Software Design Patterns (Factory, Façade, Singleton, Adapter, Proxy, etc.)

- Great Understanding of Enterprise Software Requirements

Software Development Methodologies

- Agile Software Development (Scrum, XP)
- Rational Unified Process (RUP) and UML

Software Development Paradigms

- Object Oriented Programming
- Aspect Oriented Programming
- Service Oriented Programming (SOAP, RESTfull APIs)
- Agent Oriented Programming

Programming Languages and Frameworks

- Microsoft C#.Net and VB.Net
- Typescript, Javascript
- Cascading Style Sheet (CSS 2.1 & CSS3), LESS, SASS, & Bootstrap
- HTML4 and HTML5
- ProLog

Microsoft Windows Development

- WPF and XAML
- Windows Forms

Web Development

- Asp.Net MVC, AspNetCore
- HTML4 and HTML5
- Typescript, Javascript and JQuery
- Cascading Style Sheet (CSS) & Bootstrap

Web Service Development

- SOAP Web Services
- RESTFull APIs (XML and JSON)

Smartphone Development

- Microsoft Windows Phone 8

Microsoft SQL Server

- Development
- Optimizations

Social Media Development

- Facebook
- Twitter
- Google