

CURRICULUM VITAE

Name: Ali Nasri Nazif

Department of Mathematics and Computer Science

Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran

Date and Place of Birth: 1984, Iran

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Education:

- (2006-2008) M.Sc. in Computer Science, Artificial Intelligence, Amirkabir University of Technology (Tehran Polytechnic), **GPA: 19.42/20.**
 - (2002-2006) B.Sc. in Computer Science, Amirkabir University of Technology (Tehran Polytechnic), **GPA: 17.35/20.**
 - (1998-2002) High School diploma in Mathematics and Physics, Amooeyan High school, **GPA: 19.6/20.**
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Research Interests:

- Data Mining
 - Software Engineering
 - Database Systems
 - Multi Agent Systems
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Awards and Honors:

- Second ranked M.Sc. Student in Mathematics and Computer Science Department of Amirkabir University of Technology, 2008
- Second ranked B.Sc. Student in Mathematics and Computer Science Department of Amirkabir University of Technology, 2006
- Fourth ranked M.Sc. Student in Amirkabir University of Technology (Among **all** students in different departments), 2008
- Admitted to Amirkabir University of Technology as Exceptional Talent for Master of Science position in Computer Science, 2006

- Best Paper Award for the paper “Multi-Agent Area Coverage Using a Single Query Roadmap: A Swarm Intelligence approach” in ACCDS@PRIMA 2009, Nagoya, Japan, December 2009
 - Honored Job Position in NIOC as Exceptional Talent, 2008
 - Semi-finalist in Mathematics Nationwide Student Olympiads, 2000
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Publications:

- Ali Nasri Nazif, Alireza Davoodi and Philippe Pasquier: “Multi-Agent Area Coverage Using a Single Query Roadmap: A Swarm Intelligence approach”, ACCDS@PRIMA, December 2009, Nagoya, Japan
 - Published in: Advances in Practical Multi-Agent Systems, Studies in Computational Intelligence, Volume 325/2011, Springer Berlin Heidelberg, 95-112, 2011
 - Best Paper Award
 - Ali Nasri Nazif, Ali Mohades and Alireza Davoodi: “Finding an Unknown Goal in an Environment by a Group of Agents”, IEEE Symposium Series on Computational Intelligence, IA 2009, Nashville, Tennessee, USA
 - Published in: Proceedings of IEEE Symposium on Intelligent Agents, IA 2009, 84-91, 2009
 - Ali Nasri Nazif, Ehsan Iranmanesh and Ali Mohades: “Multiple Robots Task Allocation: an Auction Based Approach Using Dynamic Domain RRT”, 13th International CSI Computer Conference (CSICC'08), March 2008, Kish Island, Iran.
 - Published in: Advances in Computer Science and Engineering, Communications in Computer and Information Science, Volume 6. ISBN 978-3-540-89984-6. Springer Berlin Heidelberg, 795-798, 2009
 - Ali Nasri Nazif: “Moving of a Group of Agents from a Source to a Destination Using a Single Query Roadmap:
 - Not Yet Published
 - Mohammad Torabi and Ali Nasri Nazif: “Covering an Area Using a Network of Wireless Sensors”
 - Not Yet Published
 - Ali Nasri Nazif: “Introduction to Data Mining, Web Mining and LINQ Technology”, 2010
 - A part of my work as an Intern in NIOC, Language: Persian
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Research and Work Experiences:

- 2008-2011: Working on FFSDb, EIS and PISDB, largest databases in NIOC (including thousands of tables and millions of records) in order to
 - Build a data warehouse to
 - Facilitate reports making process for board of directors and different levels of managers in NIOC
 - Make an spatial version of that data warehouse in order to be able to work in GIS applications
 - Develop Spatial and Non Spatial Data Mining and Analysis Applications to help oil and gas exploration and extraction process
 - Develop different kinds of Web Based and Windows Based applications based on it
 - 2008-2011: Annalist, designer and software developer for some projects including:
 - Daily Drilling Mud, Well Hierarchy Info, Graphical Well Log, Marine Transportation, etc.
 - 2006-2008: Researcher in The Laboratory of Computational Intelligence, Department of Mathematics and Computer Science, Amirkabir University of Technology, working mainly on:
 - Multi-agent systems.
 - Motion Planning and Computational Geometry algorithms.
 - 2010: A part of The Area Coverage team, a group of researchers (most of them from SFU and UBC universities) that were working on proposing a new efficient approach to the problem of multi-agent area coverage where the structure of the map is known to the robots and the robots have a limited visibility range (Project Website: metacreation.net)
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Teaching Experience:

- Teaching Assistant, “Computational Geometry”, Department of Mathematics and Computer Science, Amirkabir University, Fall 2007
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Professional Memberships:

- A member of
 - “Algorithms and Computational Geometry Group”, Department of Mathematics and Computer Science, Amirkabir University of Technology, 2006-2008
 - Iran Computer Society
 - Informatics Society of Iran
 - “Scientific Society” of Department of Mathematics and Computer Science, Amirkabir University of Technology, 2005-2007
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Computer Skills:

- Programming Languages:
 - C#, Java, C++, C and VB.NET
 - Familiar with Prolog and MATLAB
 - Web Technologies
 - ASP.NET, XML and HTML
 - Familiar with JavaScript
 - Databases:
 - SQL Server, Familiar with Oracle
 - LINQ technology
 - Operating Systems:
 - Windows and Linux
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Languages:

- Persian (Native)
 - English (Fluent)
 - Arabic
 - Azeri (Native)
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Personal Interests:

- Swimming, Billiards, Mountain Climbing and Camping, Ping Pong and Reading