

Arash Nouri, Ph.D. Candidate

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Education

2013 - Present: Ph.D. in Computer Science, Carleton University

- ❖ **Thesis:** “Shortest Paths Among Dynamic Discs”
- ❖ **Area of research:** Algorithms, Data Structures, Computational Geometry, Graph Theory, Approximation Algorithms, Road Networks, Shortest Path Algorithms

2009 – 2011: M.Sc. in Computer Science, Amirkabir University

- ❖ **Thesis:** “Visibility in the Presence of Mirrors”
- ❖ **Area of research:** Algorithms, Data Structures, Computational Geometry

2005 – 2009: B.Sc. in Computer Science, Amirkabir University

Research Assistantship

2013 - Present: Research Assistant

- ❖ **Supervisors:** Jörg-Rüdiger Sack and Anil Maheshwari
- ❖ **Research Topic:** Shortest Path Algorithms
- ❖ **Location:** Computer Science Department, Carleton University. Website: scs.carleton.ca

2009 – 2011: Research Assistant

- ❖ **Supervisors:** Ali Mohades
- ❖ **Research Topic:** Computational Geometry and Algorithms
- ❖ **Location:** Computer Science Department, Amirkabir University. Website: math.aut.ac.ir

Selected Publications

- ❖ A. Nouri, J.-R. Sack: Query shortest paths amidst growing discs, arXiv:abs/1804.01181, 2018; <https://arxiv.org/abs/1804.01181>
- ❖ Masoud Safilian, Sepehr Eghbali, Aliakbar Safilian, and Arash Nouri: Probabilistic roadmap planner with adaptive sampling based on clustering, Proceedings of the 2nd International Conference of Control, Dynamic Systems, and Robotics, Paper No. 173, 2015.
- ❖ A. Nouri and A. Mohades: Chain Visibility in a Simple Polygon. Proc. of 2nd International Conference on Contemporary Issues in Computer and Information Sciences (CICIS 2011), pp. 56-60, 2011.
- ❖ B. Kouhestani, M. Asgaripour, S. Mahdavi, A. Nouri and A. Mohades: Visibility Polygons in the Presence of a Mirror Edge. Proc. EuroCG'10, pp. 237-240, 2010.

Other Publications

- ❖ Yaser Abbasi, Fateme Hemati, Abbas Razzaghpanah, Shiva Ebrahiminejad, Sayyed Naser Hasani, Mohammad Eghlima, Soheil Tork Abadi, and Arash Nouri: Pasargad Team Description in Robocup Rescue Simulation League, The 15th Annual RoboCup International Symposium, 2011.
- ❖ Mohammad Ravandi, Alireza Sheikhjafari, Ali Torabi, Vahid Mehrabi, Soroush Sadeghnejad, S.M.Hadi Sadati, Mohammad Nabi, Farhad Bagher Oskooei, Reza Defaei, Arash Nouri, Yadollah Rasekhipour, and Mohsen Falahi: Robot League Team <Asame 1 and Asame 2> RoboCup IranOpen International Symposium, 2010.
- ❖ Mohammad Ravandi, Soroush Sadeghnejad, Alireza Sheikhjafari, Mohammad Nabi, Farhad Bagher Oskooei, Reza Defaei, Arash Nouri, Ali Torabi, Vahid Mehrabi, S.M.Hadi Sadati, and Ali Abdollahi. RoboCupRescue 2010 - Robot League Team <Pasargad (Iran)>. The 14th annual RoboCup International Symposium, 2010.
- ❖ Mohammad Ravandi, Alireza Sheikhjafari, Ali Torabi, Vahid Mehrabi, Soroush Sadeghnejad, S.M.Hadi Sadati, Mohammad Nabi, Farhad Bagher Oskooei, Parisa Dabbaghizarif, Reza Defaei, Hadi Mohammadabadi, Arash Nouri, and Yadollah Rasekhipour: RoboCupRescue 2009 - Robot League Team <Pasargad (Iran)>, The 13th Annual RoboCup International Symposium, 2009.

Work Experiences

May 2017 – Sep 2017: Software Developer (CO-OP)

- ❖ **Company:** Klipfolio Inc., Ottawa, ON. Website: www.klipfolio.com

Jul 2017 – Sep 2017: Software Developer (CO-OP)

- ❖ **Company:** Farmlead, Ottawa, ON. Website: www.farmlead.com

Aug 2015 – Present: CGTA Journal Administrator

- ❖ **Location:** Carleton University, Ottawa, ON. Website: gaia.scs.carleton.ca

Jun 2014 – Sep 2014: Software Developer (CO-OP)

- ❖ **Company:** Nearest, Ottawa, ON. Website: www.nearest.com

Mar 2011 – Dec 2013: Software Developer (full-time)

- ❖ **Company:** Behin Pajouhesh Eng.Co., Tehran, Iran. Website: www.behinco.com

Oct 2010 - Nov 2010: Software Developer (remote)

- ❖ **Company:** Avenger Engineering, GA. Website: www.avengerengineering.com

Jan 2009 - Mar 2009: Software Developer (contract)

- ❖ **Company:** Saman Eng.Co, Tehran, Iran.

May 2008 - Aug 2008: Software Developer (contract)

- ❖ **Company:** Milad Inc., Tehran, Iran.

Teaching Experiences

Instructor:

- ❖ **Web Programming (EMCP Mini Course)**, Summer 2018, Carleton University, Ottawa
- ❖ **Web Programming (EMCP Mini Course)**, Summer 2017, Carleton University, Ottawa
- ❖ **ASP.Net and Web Programming**, Summer 2011, Amirkabir University, Tehran
- ❖ **C# Programming**, Summer 2010, Amirkabir University, Tehran

Teaching Assistant:

- ❖ **Algorithm Analysis and Design**, 2015 to 2018, Carleton University, Ottawa
- ❖ **Java Programming**, 2013 to 2015, Carleton University, Ottawa
- ❖ **Computer Graphics**, 2011 to 2012, Amirkabir University, Tehran

Awards and Honours

2013: NSERC Post Graduate Scholarship Doctoral, Ottawa

2009 - 2011: Robocup Participations:

- ❖ Singapore Robocup 2010
- ❖ Iran Open Robocup 2010
- ❖ AUTCUP 2010
- ❖ Austria Robocup 2009
- ❖ Iran Open Robocup 2009
- ❖ Thailand Open 2009

2002: Second place, Provincial Junior Chess Championship, Tehran

Volunteering

2011 - 2012: Computational Geometry Winter Schools

- ❖ **Position:** Executive member
- ❖ **Location:** Amirkabir University, Tehran, Iran

2009 - 2010: IranOrigami Conferences

- ❖ **Position:** Executive member
- ❖ **Location:** Amirkabir University, Tehran, Iran

2007 - 2008: Students Association

- ❖ **Position:** Board member
- ❖ **Location:** Amirkabir University, Tehran, Iran

Skills

❖ **Analysis and Problem-Solving:**

- ❖ Critical thinking skills gained by publishing and refereeing algorithmic literatures
- ❖ Experienced in defining problems and identify their possible solutions
- ❖ Research skills developed through my Ph.D. degree

❖ **Adaptability:** Living and working in different environments have developed my adaptability skills

❖ **Advanced Programming Languages:** Python, Java, JavaScript, JQuery, CSS, C#, ASP.NET, HTML, SQL

❖ **Other Programming Languages:** PHP, VueJS, NodeJS, VBA, Visual Basic, MySQL, AngularJS, C/C++

❖ **Technologies, Softwares and Toolkits:** Microsoft .NET, Jenkins, Selenium, Git, Bootstrap, Joomla, Wordpress, Microsoft Visual Studio, IntelliJ, Sublime, Photoshop, Lightroom

❖ **Other Skills and Interests:** Photography, Soccer, Squash, Chess