

Mahmoodreza Jahanseir

Department of Computer Science
371 Fairfield Way, Unit 4155
University of Connecticut
Storrs, CT 06269-4155
reza@engr.uconn.edu
<http://engr.uconn.edu/~maj14004>

Education

- University of Connecticut** May 2019
Ph.D., Computer Science
Advisor: Prof. Donald Sheehy
GPA: 4.0/4.0
Relevant courses: Computational Geometry, Randomized Algorithms, Advanced Computer Networks, Bioinformatics, Big Data Visualization
- Amirkabir University of Technology** Feb 2012
M.S., Computer Engineering.
Thesis: Geometric Embedding of Trees onto a Point Set in the Plane
Advisor: Prof. Alireza Bagheri
GPA: 3.5/4.0
Relevant courses: Advanced Algorithms, Graph Algorithms, Advanced Databases, Advanced Software Engineering, Design Patterns
- Islamic Azad University** May 2009
B.S., Computer Engineering.
GPA: 3.4/4.0
Relevant courses: Design and Analysis of Algorithms, Data Structures, Databases, Advanced Programming Languages, Compiler Design, Software Engineering, Operating Systems

Research Interests

Computational Geometry, Computational Topology, Algorithms and Data Structures

Publications

Conferences

- **Transforming Hierarchical Tress on Metric Spaces**
Mahmoodreza Jahanseir, Donald Sheehy
The 28th Canadian Conference on Computational Geometry, August 2016
- **A Geometric Perspective on Sparse Filtrations**
Nicholas Cavanna, Mahmoodreza Jahanseir, Donald Sheehy
The 27th Canadian Conference on Computational Geometry, August 2015
- **Visualizing Sparse Filtrations**
Nicholas Cavanna, Mahmoodreza Jahanseir, Donald Sheehy
The 31st Symposium on Computational Geometry: Multimedia Exposition
- **Heuristic Algorithms for Geometric Embedding of Complete Binary Trees onto a Point Set**
Mehrab Norouzitallab, Alireza Bagheri, Mahmoodreza Jahanseir
The International MultiConference of Engineers and Computer Scientists, March 2014

Workshops

- **Transforming Hierarchical Tress on Metric Spaces**
Mahmoodreza Jahanseir, Donald Sheehy
The 32nd Symposium on Computational Geometry: Young Researcher Forum, June 2016

- **From Cover Tress to Net-Tress**
Mahmoodreza Jahanseir, Donald Sheehy
The 25th Fall Workshop on Computational Geometry, October 2015

Service

- Reviewer for SoCG 2015 and FWCG 2015
- Local organizer lead, the 24th Fall Workshop on Computational Geometry

Awards and Honors

- NSF Travel awards for SoCG 2016, FWCG 2015, and SoCG 2015
- Ranked 79th in the Iranian nationwide graduate entrance exam among more than 15000 participants, 2009

Employment

Research Assistant University of Connecticut, CT	Aug 2014 - present
Senior Software Developer Sadad Informatics Corporation, Tehran, Iran	Apr 2013 - Aug 2014
Senior Software Developer Rai Andish Co., Tehran, Iran	Nov 2013 - Aug 2014
Software Developer Nomatec Co., Tehran, Iran.	Aug 2011 - Apr 2013

Technical Skills

- Programming: C/C++, C#, Java, Python, Processing
- Web Development: ASP.NET, Silverlight, HTML, CSS, Javascript
- Operating Systems: Windows, Linux