

Mahmoodreza Jahanseir

Department of Computer Science
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Education

University of Connecticut 2019(*Expected*)
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 2012
M.S., Computer Engineering.
Thesis: Geometric Embedding of Trees onto a Point Set in the Plane
Advisor: Prof. Alireza Bagheri
GPA: 3.51/4.0

Relevant courses: Advanced Algorithms, Graph Algorithms, Advanced Databases, Advanced Software Engineering, Design Patterns

Islamic Azad University 2009
B.S., Computer Engineering.
GPA: 3.37/4.0

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 in 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	2014 - now
Software Developer and Designer Sadad Informatics Corporation, Tehran, Iran	2013 - 2014
Software Developer and Designer Nomatec Company, Tehran, Iran.	2011 - 2013

Technical Skills

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