

Ashkan Safari

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Personal Information

Nationality: Iranian

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Education

Institute for Advanced Studies in Basic Sciences (IASBS)

Zanjan, Iran

M.Sc. (Master of Science) in Computer Science

2018–Present

GPA: 19.83/20.00, total 32 credits completed, class rank: 2 of 17

Thesis Title: *The Weighted Region Shortest Path Problem in Euclidean Space*

Supervisor: Dr. Mansoor Davoodi Monfared

Selected Coursework: *Advanced Algorithms, Approximation Algorithms, Computational Geometry, and Robot Motion Planning*

Institute for Advanced Studies in Basic Sciences (IASBS)

Zanjan, Iran

B.Sc. (Bachelor of Science) in Information Technology Engineering

2014–2018

GPA: 18.57/20.00, total 210 credits completed, class rank: 2 of 46

Supervisor: Dr. Mansoor Davoodi Monfared

Selected Coursework: *Data Structures, Algorithm Design, Discrete Mathematics, Operations Research and Probability & Statistics*

Skills

Languages: English (Fluent), Persian (Native Speaker), Azeri (Native Speaker)

Programming Languages: Python, C++, C#, PHP, JavaScript, Erlang

Application Software: MATLAB, Unity, Blender

Databases: SQL, NoSQL

Research Experience

⇒: **11th Winter School on Computational Geometry (February 2019)**

↔: Amirkabir University of Technology, Tehran, Iran

↔: Invited Speakers: Kevin Buchin, Martin Nollenburg

Research Interests and Areas

- Robot Motion Planning

- Computational Geometry

- Optimization

- Approximation Algorithms

- Graph Theory

Academic Projects

⇒: **AvaNama (2017-Present)**

↔: Description: AvaNama is a software for translating text and voice to Persian sign language, with the goal of improving communication between the deaf and hearing.

↔: Supervisor: Dr. Mansoor Davoodi Monfared

↔: WebSite: www.avanama.org

Teaching Assistants

⇒: **Data Structures**

↔: Teacher: Dr. Mansoor Davoodi Monfared (2018-2020)

↔: Teacher: Dr. Mehdi Khosravian (2015)

⇒: **Algorithm Design**

↔: Teacher: Dr. Mansoor Davoodi Monfared (2018-2020)

⇒: **Artificial Intelligence**

↔: Teacher: Dr. Parvin Razzaghi (2017)

References

Dr. Mansoor Davoodi Monfared

Assistant Professor in Department of Computer Science and Information Technology, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran.

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