

# Saeed Fathollahzadeh

## Curriculum Vitae

### CONTACT INFO

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**Current Location:** Data Management Group, Inffeldgasse 13, 8010 Graz, Austria

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[sfathollahzadeh@know-center.at](mailto:sfathollahzadeh@know-center.at)

I'm Available at:

**Homepage:** <https://fathollahzadeh.github.io>

**Github:** <https://github.com/fathollahzadeh>

**dblp:** <https://dblp.uni-trier.de/pers/hd/f/Fathollahzadeh:Saeed>

**Google Scholar:** <https://scholar.google.com/citations?user=zIODCOoAAAAJ&hl=en>

### EDUCATION

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- **Ph.D. in Computer Science, Graz University of Technology (TU Graz)** Graz, Austria  
**Supervisor:** Prof. [Matthias Boehm](#) 2021–Present
- **M.Sc. in Software Engineering, Iran University of Science and Technology** Tehran, Iran  
**Thesis:** A Middleware for Distributed Processing of Complex Events 2012–2014  
**Supervisor:** Prof. [Mohsen Sharifi](#)
- **B.Sc. in Software Engineering, University College of Daneshvaran** Tabriz, Iran  
**Supervisor:** Prof. [Ayaz Isazadeh](#) and Dr. [Javad Mehri-Tekmeh](#) 2007–2009
- **A.Sc. in Software Engineering, Islamic Azad University of Malekan** Malekan, Iran  
**Advisor:** Dr. Babak Nariman Jahan 2005–2007

### WORK EXPERIENCE

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- **Know Center (<https://know-center.at>)** Graz, Austria
  - Working on ReWaste F (Recycling and Recovery of waste for Future) Project 2021–Present
- **Free University of Bolzano (DBS Group, <https://dbs.inf.unibz.it>)** Bolzano, Italy
  - Working on Efficient and Scalable Solutions for Time Series Analysis March 2020–April 2021
- **Bimito (<https://bimito.com>)** Tehran, Iran
  - Working with my Team on Making the Web Applications of Bimito August 2016–March 2020
- **Informatics Services Corporation (<http://en.isc.co.ir>)** Tehran, Iran
  - Software Engineer Intern 2015–2016
- **Ministry of Economy and Affair Finance (<http://mefa.ir>)** Tehran, Iran
  - Working on a Software for Manage Government Finances Resources 2013–2015

- **Ministry of Education** (<http://www.medu.ir>)
  - Teach Some Fundamental Courses Include C, C++, and Computer Networks

East Azerbaijan, Iran  
2012–2013

## RESEARCH INTERESTS

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The purpose of my research is to study data analytics: how to analyze, store, retrieve, and manipulate large and heterogeneous data sets. My research focuses on systems-oriented problems that arise when developing software to manage and process large and diverse data sets, especially machine learning systems.

## PUBLICATIONS

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- [1] **Saeed Fathollahzadeh** and Matthias Boehm, “GIO: Generating Efficient Matrix and Frame Readers for Custom Data Formats by Example,” *SIGMOD*, 2023.
- [2] **Saeed Fathollahzadeh**, Kia Teymourian, and Chris Jermaine, “How the Object Model and its Implementation Impacts Performance of Big Data Systems: A Controlled Experimental Study,” *TKDE* (*under submission*), 2023.
- [3] Sambasiva Rao Gangineni, Harshad Reddy Nalla, **Saeed Fathollahzadeh**, and Kia Teymourian, “Real-Time Object Recognition from Streaming LiDAR Point Cloud Data,” *DEBS*, 2019.
- [4] **Saeed Fathollahzadeh**, Kia Teymourian, and Mohsen Sharifi, “Stateful Complex Event Detection on Event Streams Using Parallelization of Event Stream Aggregations and Detection Tasks,” *DEBS*, 2016.
- [5] **Saeed Fathollahzadeh**, Reza Karimi, Mohsen Sharifi, Kia Teymourian, Ahmad Hasan, and Adrian Paschke, “Parallel Event Processing on Unbound Streams with Multi-step Windowing,” *DEBS*, 2015.
- [6] **Saeed Fathollahzadeh**, “A Middleware for Distributed Processing of Complex Events,” master of science thesis, Iran University of Science and Technology, Iran, 2014.

## HONORS AND AWARDS

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- [DEBS’19 Grand Challenge and Grand Challenge Audience Award](#), (2019).
- **1<sup>st</sup> Rank**, Achieving First in the Ranking List of Research Assistant Procedure Among All Applications, Faculty of Computer Science at the Free University of Bozen-Bolzano, (2019).
- **2<sup>nd</sup> Rank**, Nationwide M.Sc. Entrance Exam in Computer Engineering of Iranian Universities (Islamic Azad University of Qazvin), (2012).
- **1<sup>st</sup> Rank**, Achieving the Highest GPA Among All University Computer Engineering Bachelor Students, (2009).
- **1<sup>st</sup> Rank**, Achieving the Highest GPA Among All University Computer Engineering Associate Students, (2007).

## REFERENCES

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- Professor **Matthias Boehm**, Head of the Data Management for Data Science Laboratory and Supervisor of my Ph.D. and Research Projects, [DAMS Lab Research Group](#), [Berlin Institute for the Foundations of Learning and Data \(BIFOLD\)](#), Berlin, Germany. *Home:* <https://mboehm7.github.io>,  
*Email:* [matthias.boehm@tu-berlin.de](mailto:matthias.boehm@tu-berlin.de)
- Professor **Mohsen Sharifi**, Supervisor of my Master Study, [School of Computer Engineering](#), [Iran University of Science and Technology](#), Tehran, Iran. *Home:* <http://webpages.iust.ac.ir/msharifi>,  
*Email:* [msharifi@iust.ac.ir](mailto:msharifi@iust.ac.ir)
- Dr. **Kia Teymourian**, Research Cooperator, [Department of Computer Science](#), University of Texas at Austin, USA. *Home:* <http://www.teymourian.de>,  
*Email:* [kiat@cs.utexas.edu](mailto:kiat@cs.utexas.edu)