MAJID RAFIEI

Scientific Assistant (PhD Candidate)

@ m4jid.rafiei@gmail.com   📞 +49-1631571984   📍 Aachen, Germany
in majid-rafiei-0838509a   ⌂ m4jidRafiei   🐦 majidrafiei4   G Scholar Majid Rafiei

SKILLS

- Process Mining
- Responsible Data Science
- Data Mining
- SAP Technical
- Machine Learning
- Deep Learning
- Statistical Analyses

GOOGLE SCHOLAR
28.02.2023

RESEARCHGATE
28.02.2023

PROGRAMMING

- Python
- Java
- SAP ABAP
- Perl
- C#
- C++
- Android

INTRESTS

- Data Science
- Process Science
- Deep Learning
- SAP Technical

LANGUAGES

- English (Full Professional)
- German (Professional Working)
- Turkish (Professional Working)
- Persian (Native)
- Azeri (Native)

ABOUT ME

I am fascinated by the science that takes data from the real world and transforms it into useful insights by discovering business process models or training descriptive and predictive models. I have been always looking for opportunities to deal with real-world challenges both in the industry and academia. Currently, I am doing my Ph.D. in process mining at RWTH Aachen University under the supervision of Prof. Wil van der Aalst, the godfather of process mining. My Ph.D. research is focused on responsible process mining where I am developing state-of-the-art techniques for privacy preservation in process mining. I am also involved in a project, called process mining over SAP data, where we are developing novel techniques to extract comprehensive object-centric event data from SAP systems. Before starting my Ph.D., I had been working as an SAP technical consultant at MCI, the Middle East's largest telecommunication company, where I was involved in SAP ABAP development, SAP Fiori, and SAP PI/PO projects.

EXPERIENCE

Scientific Assistant (PhD Candidate) | RWTH Aachen University

📅 08 2018 – Present   📍 Aachen, Germany

- Leading a project on responsible data science.
- Member of the project on process mining over SAP data.
- Designing and implementing state-of-the-art techniques for privacy preservation.
- Designing tools for extracting complex event data from SAP systems.
- Teaching a pro-seminar on the process and data science.
- Teacher assistant of the course on business process intelligence.
- Teacher assistant of the course on introduction to data science.

SAP Technical Consultant | NAK - Mobile Company of Iran (MCI)

📅 10 2015 – 07 2018   📍 Tehran, Iran

- Developing SAP ABAP applications for FI, MM, and SD modules.
- Designing and developing SAP PI/PO projects.
- Designing and developing SAP Fiori apps.

Software Developer, Android Developer | Freelance

📅 01 2008 – 01 2015   📍 Tehran, Iran

- Developing a web-based app for user account management (PHP).
- Developing a database search engine tool (C#).
- Developing a scheduling system for FMS (C#).
- Enhancing FileZilla FTP Server by adding new commands (C++).
- Developing a Gmail reader tool (Perl).

EDUCATION

Ph.D. | Chair of Process and Data Science, RWTH Aachen Universiy

📅 08 2018 – Present   📍 Aachen, Germany

- Thesis Title: Privacy and Confidentiality in Process Mining

Ms.C. | Information Technology Engineering - Electronic Commerce,
Amirkabir University of Technology (Tehran Polytechnic)

📅 10 2011 – 10 2013   📍 Tehran, Iran

- Thesis Title: Finding Experts in Social Communities Using Hybrid Techniques.

Bs.C. | Information Technology Engineering, Urmia University of Technology

📅 02 2007 – 09 2011   📍 Tehran, Iran

- Thesis Title: Analyzing Web Vulnerabilities and Proposing Solutions.

HONORS & AWARDS

Among Top 0.05% Students of CS | University Entrance Exam (Master's Degree)

📅 2011   📍 Iran

Best Paper Award | SIMPDA Conference

📅 2018   📍 Spain

Destinguished Paper Award | RCIS Conference

📅 2020   📍 Cyprus

Best Paper Award Runner-Up | CoopIS Conference

📅 2022   📍 Italy

Best Paper Award | The RPM Workshop of ICPM Conference

📅 2022   📍 Italy

OTHER ACADEMIC ACTIVITIES

- Co-chairing the workshop on Responsible Process Mining (RPM) at the International Conference on Process Mining (ICPM) 2022, which is one of the biggest conferences in the field of process mining and information systems.
- Reviewing papers for several journals such as Knowledge and Information Systems (Springer), Physical Communication (Elsevier), IEEE Access, etc.
- Supervising master and bachelor students at RWTH Aachen University.

SELECTED PUBLICATIONS

- Majid Rafiei and Wil M. P. van der Aalst. Group-based privacy preservation techniques for process mining. *Data Knowl. Eng.*, 134:101908, 2021
- Majid Rafiei and Wil M. P. van der Aalst. Privacy-preserving continuous event data publishing. In *Business Process Management Forum - BPM Forum 2021, Rome, Italy, September 06-10, 2021, Proceedings*, volume 427 of *Lecture Notes in Business Information Processing*, pages 178–194. Springer, 2021
- Majid Rafiei, Miriam Wagner, and Wil M. P. van der Aalst. TLKC-privacy model for process mining. In *Research Challenges in Information Science - 14th International Conference, RCIS 2020, Limassol, Cyprus, September 23-25, 2020, Proceedings*, volume 385 of *Lecture Notes in Business Information Processing*. Springer, 2020
- Majid Rafiei and Wil M. P. van der Aalst. Privacy-preserving data publishing in process mining. In *Business Process Management Forum - BPM Forum 2020, Seville, Spain, September 13-18*, pages 122–138. Springer, 2020
- Majid Rafiei and Wil M. P. van der Aalst. Towards quantifying privacy in process mining. In *International Conference on Process Mining - ICPM 2020 International Workshops, Padua, Italy, October 4-9, 2020*, 2020
- Majid Rafiei, Leopold von Waldthausen, and Wil M. P. van der Aalst. Supporting confidentiality in process mining using abstraction and encryption. In *Data-Driven Process Discovery and Analysis - 8th IFIP WG 2.6 International Symposium, SIMPDA 2018, and 9th International Symposium, SIMPDA 2019, Revised Selected Papers*, 2019
- Majid Rafiei and Ahmad A. Kardan. A novel method for expert finding in online communities based on concept map and pagerank. *Hum. centric Comput. Inf. Sci.*, 5:10, 2015