



Morteza Zakeri

Curriculum Vitae

"Towards better software systems by automating laborious software engineering activities with software II and compiler II."

Educations

- 2018—2023 **Ph.D. in Computer Engineering (Software)**, *Iran University of Science and Technology (IUST)*, Tehran, Iran
- Dissertation: "*Measuring and improving testability of software systems artifacts*"
 - Supervisor: Prof. [Saeed Parsa](#)
 - Advisor: Dr. [Mehrdad Ashtiani](#)
 - GPA: *19.11 out of 20* (Ranked 1st).
- 2016—2018 **M.Sc. in Computer Engineering (Software)**, *Iran University of Science and Technology (IUST)*, Tehran, Iran
- Thesis: "*Automatic test data generation in file format fuzzers*"
 - Supervisor: Prof. [Saeed Parsa](#)
 - GPA: *18.54 out of 20* (Ranked 1st)
- 2011—2015 **B.Sc. in Computer Engineering (Software)**, *Arak University*, Markazi, Iran
- Project: "*Designing and implementing a multi-agent system to participate in the multi-agent programming contest (MAPC'15)*"
 - Supervisor: Dr. [Vahid Rafe](#)
 - GPA: *18.18 out of 20* (Ranked 2nd)
- 2010—2011 **Pre-college in Mathematics Science**, *Beheshti Pre-college*, Isfahan, Iran
- GPA: *19.35 out of 20*
- 2008—2010 **Diploma in Mathematics and Physics**, *Beheshti High School* (2nd and 3rd years) and *Ibn-e-Sina High School* (1st year), Isfahan, Iran
- GPA: *19.77 out of 20*

Research Interests

- Automated and empirical software engineering, requirement engineering, and software quality assurance.
- Software Engineering* Compiler systems, program analysis and transformation, refactoring, testing, debugging, and repair.
- & Machine learning, deep learning, and natural language processing for software engineering (AI4SE).
- Machine Intelligence* Artificial intelligence applications in Material, Civil, and Biomedical engineering.
- Artificial intelligence applications in Social and Financial systems.

Honors and Awards

- Graduate study
- Awarded as an outstanding Ph.D. researcher, [IUST Exceptional Talents Office](#), Winter 2022 and Winter 2023.
 - Ranked 1st among all 60 students during the IUST M.Sc. program, Fall 2018
 - Ph.D. admission without entrance exam, IUST, Fall 2018.
 - Awarded as an outstanding M.Sc. graduate by [IUST Exceptional Talents Office](#), Winter 2018.
 - Awarded as an outstanding student by [IUST Exceptional Talents Office](#), Winter 2017.
- Undergraduate study
- Ranked 2nd among 31 students during my B.Sc. program at [Arak University](#).
 - Awarded as an outstanding student by the [Arak University Exceptional Talents Office](#), Fall 2014.
 - Ranked 1st in [Arak University](#) futsal tournaments, Winter 2014.
 - Awarded as *ethics* team in [Arak University](#) pantomime competitions, Winter 2014.

- High school
- Ranked 3rd in Isfahan physics laboratory contests, Spring 2010.
 - Ranked 2nd and 3rd in Isfahan regional students' chess tournaments, Fall 2008 and Fall 2010.

Skills

Theoretical computer science background

- Selected university courses with grades (my grade / total)
- Software engineering (19.5/20), software architectures (18.80/20), and object-oriented design (19.25/20)
 - Compiler design (20/20), advanced compilers (18/20), dependable software systems (18.80/20)
 - Formal languages and automata (19.25/20), algorithms design (18.50/20), and game theory (18/20)
 - Computer architectures (20/20), operating systems (20/20), distributed systems (19/20), and internet of things (20/20)
 - Database systems (20/20), data mining (19/20), graph/ network mining—complex dynamic networks (19.75/20), and text mining—natural language processing (20/20).

Applied computer science background

- Programming and markup languages
- Python and Java [expert], C, C++, and C# [proficient], Scratch [familiar]
 - Assembly (x86) and shell scripting [familiar]
 - XML, (X)HTML, CSS, YAML, JSON, DOM, and AJAX [familiar]
- Tools, frameworks, libraries, and IDEs
- **Compilers:** ANTLR [expert], LLVM, Roslyn, and JDT [familiar]
 - **Program analysis:** Understand, PMD, Doxygen, SonarQube, SourceMeter, WinDbg, and IDA Pro
 - **Program testing:** EvoSuite, JDART, AFL, Postman, JMeter, Acunetix, and Selenium
 - **Data science:** Scikit-learn, Tensorflow2 (Keras), NetworkX, SciPy, Pymoo, MLFlow, and Weka
 - **Visualization:** Seaborn, Graphviz, Cytoscape, and Matplotlib
 - **Application software development:** PyQt, JavaFX, Django, and Jason (multi-agent programming)
 - **Website building:** Wordpress, Joomla, Moodle, MkDocs, and Pelican
 - **Databases:** MySQL, Microsoft SQL-Server, and OrientDB (NoSQL)
 - **Dependency and code management tools:** Pip, Maven, and Git
 - **IDEs:** PyCharm, IntelliJ IDEA, Eclipse, Netbeans, and Visual Studio.
- Software development methodologies, modeling, and management
- **Methodologies/Processes:** Agile: Specialized in *Scrum*— with test-driven development (TDD) and behavior-driven development (BDD) practices, rational unified process (RUP), and Oracle custom development method (CDM)
 - **Modeling languages:** Unified modeling language (UML), business process model and notation (BPMN), entity relationship diagram (ERD), Markov chain, and Petri net
 - **Modeling tools:** Enterprise Architect, Visual Paradigm, and Visio
 - **Project management and communication:** Scrum (Jira, Trello), Confluence, Slack.
- General computer skills
- **Operating systems:** Microsoft Windows and Linux (Ubuntu desktop/server, and Kali)
 - **Virtualization:** VMware Workstation and ESXi
 - **Typesetting and presentation:** Microsoft Office and L^AT_EX
 - **Multi-media:** Camtasia.

Other

- Languages
- Persian:** Native, **English:** Good (English degree: MSRT exam with score of 74/100), and **Arabic:** Basic.
- Sport and hobbies
- Futsal, hiking, chess, board games, and watching (scientific videos and documentary films).

Publications

Selected journal papers

- [18] Saeed Parsa, Morteza Zakeri-Nasrabadi, and Burak Turhan. “**Testability-driven development: an improvement to the TDD efficiency**”. In: *Computer Standards & Interfaces* 91 (Jan. 2025), p. 103877. ISSN: 09205489. DOI: [10.1016/j.csi.2024.103877](https://doi.org/10.1016/j.csi.2024.103877).
- [17] Alireza Ardalani, Saeed Parsa, Morteza Zakeri-Nasrabadi, and Alexander Chatzigeorgiou. “**Supporting single responsibility through automated extract method refactoring**”. In: *Empirical Software Engineering* 29 (1 Jan. 2024), p. 28. ISSN: 1382-3256. DOI: [10.1007/s10664-023-10427-3](https://doi.org/10.1007/s10664-023-10427-3).
- [16] Omid Banapour Ghaffari, Bijan Eftekhari Yekta, and Morteza Zakeri-Nasrabadi. “**Designing high-performance ion-exchangeable glasses with multi-objective optimization and machine learning**”.

- In: *Ceramics International* (Aug. 2024). ISSN: 0272-8842. DOI: <https://doi.org/10.1016/j.ceramint.2024.08.141>.
- [15] Omid Banapour Ghaffari, Bijan Eftekhari Yekta, and Morteza Zakeri-Nasrabadi. **"Estimating "depth of layer" (DOL) in ion-exchanged glasses using explainable machine learning"**. In: *Materialia* (Jan. 2024), p. 102027. ISSN: 25891529. DOI: [10.1016/j.mtla.2024.102027](https://doi.org/10.1016/j.mtla.2024.102027).
 - [14] Roshan Golmohammadi, Saeed Parsa, and Morteza Zakeri-Nasrabadi. **"Dynamic domain testing with multi-agent Markov chain Monte Carlo method"**. In: *Soft Computing* (2024). DOI: [10.1007/s00500-024-09680-5](https://doi.org/10.1007/s00500-024-09680-5).
 - [13] Ali Majidzadeh, Mehrdad Ashtiani, and Morteza Zakeri-Nasrabadi. **"Multi-type requirements traceability prediction by code data augmentation and fine-tuning MS-CodeBERT"**. In: *Computer Standards & Interfaces* 90 (Aug. 2024), p. 103850. ISSN: 09205489. DOI: [10.1016/j.csi.2024.103850](https://doi.org/10.1016/j.csi.2024.103850).
 - [12] Mostafa Mir, Farnad Nasirzadeh, Morteza Zakeri, Aron T. Hill, and Chandan Karmakar. **"Assessing neural markers of attention during exposure to construction noise using machine learning classification of electroencephalogram data"**. In: *Building and Environment* 261 (Aug. 2024), p. 111754. ISSN: 03601323. DOI: [10.1016/j.buildenv.2024.111754](https://doi.org/10.1016/j.buildenv.2024.111754).
 - [11] Morteza Zakeri-Nasrabadi and Saeed Parsa. **"Natural language requirements testability measurement based on requirement smells"**. In: *Neural Computing and Applications* (Apr. 2024). ISSN: 0941-0643. DOI: [10.1007/s00521-024-09730-x](https://doi.org/10.1007/s00521-024-09730-x).
 - [10] Morteza Zakeri-Nasrabadi, Saeed Parsa, and Sadegh Jafari. **"Measuring and improving software testability at the design level"**. In: *Information and Software Technology* (Oct. 2024), p. 107511. ISSN: 09505849. DOI: [10.1016/j.infsof.2024.107511](https://doi.org/10.1016/j.infsof.2024.107511).
 - [9] Eisa Zarepour, Mohammad Reza Mohammadi, Morteza Zakeri-Nasrabadi, Sara Aein, Razieh Sangsari, Leila Taheri, Mojtaba Akbari, and Ali Zabihollahpour. **"BiliBin: An intelligent mobile phone-based platform to monitor newborn jaundice"**. Sept. 2024. DOI: [10.22068/IJEEE.20.3.3374](https://doi.org/10.22068/IJEEE.20.3.3374).
 - [8] Morteza Zakeri-Nasrabadi, Saeed Parsa, Masoud Ekhtiarzadeh, Chanchal Roy, and Mohammad Ramezani. **"A systematic literature review on source code similarity measurement: techniques, applications, and challenges"**. In: *Journal of Systems and Software* (2023). DOI: [10.1016/j.jss.2023.111796](https://doi.org/10.1016/j.jss.2023.111796).
 - [7] Morteza Zakeri-Nasrabadi, Saeed Parsa, Ehsan Esmaili, and Fabio Palomba. **"A systematic literature review on the code smells datasets and validation mechanisms"**. In: *ACM Computing Surveys* (May 2023). ISSN: 0360-0300. DOI: [10.1145/3596908](https://doi.org/10.1145/3596908).
 - [6] Saeed Parsa, Morteza Zakeri-Nasrabadi, Ekhtiarzadehand, and Mohammad Ramezani. **"Method name recommendation based on source code metrics"**. In: *Journal of Computer Languages* 74 (2023), p. 101177. ISSN: 2590-1184. DOI: <https://doi.org/10.1016/j.cola.2022.101177>.
 - [5] Morteza Zakeri-Nasrabadi and Saeed Parsa. **"Learning to predict test effectiveness"**. In: *International Journal of Intelligent Systems* 37.8 (2022), pp. 4363–4392. DOI: <https://doi.org/10.1002/int.22722>.
 - [4] Morteza Zakeri-Nasrabadi and Saeed Parsa. **"An ensemble meta-estimator to predict source code testability"**. In: *Applied Soft Computing* 129 (2022), p. 109562. ISSN: 1568-4946. DOI: <https://doi.org/10.1016/j.asoc.2022.109562>.
 - [3] Mahnoosh Shahidi, Mehrdad Ashtiani, and Morteza Zakeri-Nasrabadi. **"An automated extract method refactoring approach to correct the long method code smell"**. In: *Journal of Systems and Software* 187 (May 2022), p. 111221. ISSN: 0164-1212. DOI: <https://doi.org/10.1016/j.jss.2022.111221>.
 - [2] Morteza Zakeri-Nasrabadi, Hamideh Tabibi, Mahsa Salmani, Mahdieh Torkashvand, and Eisa Zarepour. **"A comprehensive survey on non-invasive wearable bladder volume monitoring systems"**. In: *Medical & Biological Engineering & Computing* 59.7-8 (Aug. 2021), pp. 1373–1402. ISSN: 0140-0118. DOI: [10.1007/s11517-021-02395-x](https://doi.org/10.1007/s11517-021-02395-x).
 - [1] Morteza Zakeri-Nasrabadi, Saeed Parsa, and Akram Kalaei. **"Format-aware learn&fuzz: deep test data generation for efficient fuzzing"**. In: *Neural Computing and Applications* (June 2020). ISSN: 0941-0643. DOI: [10.1007/s00521-020-05039-7](https://doi.org/10.1007/s00521-020-05039-7).

Selected conference papers

- [4] Soroush Hashemifar and Morteza Zakeri-Nasrabadi. **"Deep identification of plant diseases"**. In: *2024 20th CSI International Symposium on Artificial Intelligence and Signal Processing (AISP)*. Tehran: IEEE, Feb. 2024, pp. 1–6. ISBN: 979-8-3503-8394-2. DOI: [10.1109/AISP61396.2024.10475267](https://doi.org/10.1109/AISP61396.2024.10475267).

- [3] Ali Majidzadeh, Mehrdad Ashtiani, and Morteza Zakeri-Nasrabadi. “**Code data augmentation to improve language model's performance in requirement to code traceability link recovery**”. In: *Proceedings of the 9th International Conference on Web Research*. Tehran, Iran: University of Science and Culture (In Persian), 2023.
- [2] Morteza Zakeri-Nasrabadi and Saeed Parsa. “**Learning to predict software testability**”. In: *Proceedings of the 26th International Computer Conference, Computer Society of Iran (CSICC)*. Tehran: IEEE, Mar. 2021, pp. 1–5. ISBN: 978-1-6654-1241-4. DOI: [10.1109/CSICC52343.2021.9420548](https://doi.org/10.1109/CSICC52343.2021.9420548).
- [1] Zahra Zakeri-Nasrabadi and Morteza Zakeri-Nasrabadi. “**Analysis social phenomena using machine learning techniques: a mixed research framework**”. In: *Proceedings of the first conference on artificial intelligence and soft computing in humanities (AISCH-2019)*. Tehran, Iran: Allameh Tabataba'i University (In Persian), 2019, pp. 120–127.

Selected journal papers (in Persian)

- [2] Morteza Zakeri-Nasrabadi, Saeed Parsa, and Zahra Hayati. “**Automatic test data generation to improve fault-localization based on causal-statistical analysis**”. Persian. In: *Journal of Soft Computing and Information Technology* 12 (2024), pp. 1–11. ISSN: 2383-1006.
- [1] Morteza Zakeri-Nasrabadi and Saeed Parsa. “**Automatic test data generation in file format fuzzers**”. Persian. In: *Electronic and Cyber Defense* 8.1 (2020), pp. 1–16. ISSN: 2322-4347.

Archived and under review papers

- [5] Fateme Bagheri-Galle, Saeed Parsa, and Morteza Zakeri. “**A systematic literature review on transformation for testability techniques in software systems**”. 2025.
- [4] Rasoul Rezvani-Jalal, Morteza Zakeri-Nasrabadi, Saeed Parsa, and Amin Hasan-Zarei. “**Enhancing malware detection reliability in non-executable files using confidence score prediction**”. 2025. DOI: <https://dx.doi.org/10.2139/ssrn.4823193>.
- [3] Soroush Hashemifar, Saeed Parsa, and Morteza Zakeri-Nasrabadi. “**Mitigating backdoors within deep neural networks in data-limited configuration**”. 2024. DOI: <https://doi.org/10.48550/arXiv.2311.07417>.
- [2] Morteza Zakeri-Nasrabadi, Saeed Parsa, and Mohamed Wiem Mkaouer. “**Flipped boosting of automatic test data generation frameworks through a many-objective program transformation approach**”. 2023. DOI: <http://dx.doi.org/10.2139/ssrn.4373904>.
- [1] Saeed Parsa, Morteza Zakeri-Nasrabadi, and Ehsan Esmaili. “**Predicting code quality attributes based on code smells**”. 2023.

Theses

- [3] Morteza Zakeri-Nasrabadi. “**Measuring and improving testability of software systems artifacts**”. Persian. Ph.D. dissertation. Iran University of Science and Technology (IUST), School of Computer Engineering, Sept. 2022.
- [2] Morteza Zakeri-Nasrabadi. “**Automatic test data generation in file format fuzzers**”. Persian. M.Sc. thesis. Iran University of Science and Technology (IUST), School of Computer Engineering, Sept. 2018.
- [1] Morteza Zakeri-Nasrabadi. “**Designing and implementing a multi-agent system to participate in the multi-agent programming contest (MAPC'15)**”. Persian. B.Sc. project. Arak University, Faculty of Engineering, Sept. 2015.

Complete list of publications

- Research profiles The *up-to-date* list of my publications are available in the following research profiles:
- Web of Science™ (ResearcherID: Y-6393-2018): <http://www.researcherid.com/rid/Y-6393-2018>
 - Scopus (Scopus Author ID: 57219747851): <https://www.scopus.com/authid/detail.uri?authorId=57219747851>
 - ORCID (0000-0003-4289-0606): <https://orcid.org/0000-0003-4289-0606>
 - Google scholar: <https://scholar.google.com/citations?user=km5DzwwAAAAJ&hl=en>
 - ResearchGate: <https://www.researchgate.net/profile/Morteza-Zakeri>
 - DBLP: <https://dblp.org/pid/232/3298.html>

Professional Activities

Academic and industry experiences

- 2024—Now **Assistant Professor**, School of Computer Engineering (<https://ce.aut.ac.ir/>), Amirkabir University of Technology (AUT), Main Campus, Tehran, Iran
- Working as a faculty member

- 2024—Now **Postdoctoral researcher**, *School of Computer Science* (<https://cs.ipm.ac.ir>), *Institute for Research in Fundamental Sciences (IPM)*, Farmanieh Campus, Tehran, Iran
- Working on software design testability, inverse design, and intelligent systems design
 - <https://cs.ipm.ac.ir/PostdocResearchers.aspx>
- 2023—Now **University lecturer (adjunct professor)**, *Computer science and engineering courses*, Iran University of Science and Technology, University of Tehran, K. N. Toosi University of Technology, Amirkabir University of Technology, and Sharif University of Technology), Tehran, Iran
- 2018—2023 **Ph.D. student**, *Reverse Engineering Research Laboratory* (<http://reverse.iust.ac.ir>), *Iran University of Science and Technology*, Tehran, Iran
- Developing an automated program analysis library, OpenUnderstand (<https://m-zakeri.github.io/OpenUnderstand>)
 - Developing an automated refactoring engine, CodART (<https://m-zakeri.github.io/CodART>)
 - Developing software requirements quality measurement tool, ARTA (<https://m-zakeri.github.io/ARTA>)
 - Developing source code testability measurement tool, ADAFEST (<https://m-zakeri.github.io/ADAFEST>)
 - Developing a file format fuzzer, DeepFuzz (https://m-zakeri.github.io/iust_deep_fuzz).
 - Supervisor: Dr. Saeed Parsa (<http://parsa.iust.ac.ir>)
- 2021—2022 **Project manager** → **Machine learning engineer**, *Fanavaran Denshgar Co.* (<https://www.dantech.ir>), Tehran, Iran
- Intelligent anti-money laundering (AML) system project
 - Big data analysis on banking data
- 2020—2021 **Research assistant**, *Automated Software Engineering Laboratory* (<http://ase.ce.sharif.ir>), *Sharif University of Technology*, Tehran, Iran
- Designing and implementing a software maintainability measurement tool, QualCode (<https://qualcode.ir/>)
 - Project supervisor: Dr. Abbas Heydarnoori (<http://sharif.edu/~heydarnoori>)
 - Funded by Iran's National Elites Foundation and **MCI R&D Center**
- 2019—2020 **Research assistant**, *Iranian Online Smart Monitoring (Riz-Payesh) Healthcare Company*, Tehran, Iran
- Designing a wearable bladder monitoring system (WBMS)
 - Project supervisor: Dr. Eisa Zarepour (<http://webpages.iust.ac.ir/zarepour>)
 - Funded by Iran's National Elites Foundation
- 2015—2016 **Software engineer**, *Pars Sina Azeen Consulting Engineers Company (Parsina)*, Khorramabad, Lorestan
- Designing and developing Parsina bridge management system (PBMS)
- Mar—Aug, 2015 **Intern**, *Computer Engineering Laboratories, Arak University*, Arak, Markazi
- Building AVR and ARM micro-controllers educational boards, launching the faculty cloud-center based on 2X OS, and rewriting and revising laboratories pamphlets and handbooks

Teaching experiences

- 2024 **Lecturer (Fundamental of computer and programming—undergraduate)**, *Amirkabir University of Technology (Tehran Polytechnique)*, Tehran, Iran
- Course webpage: <https://m-zakeri.github.io/CP>
- 2023 **Lecturer (Object-oriented systems design —undergraduate)**, *K. N. Toosi University of Technology*, Tehran, Iran
- 2023 **Lecturer (Special topics in software engineering—graduate)**, *University of Tehran (Kish International Campus)*, Tehran, Iran
- 2023 **Lecturer (Advanced software engineering—graduate)**, *University of Tehran (Kish International Campus)*, Tehran, Iran
- 2023 **Lecturer (Artificial intelligence—undergraduate)**, *K. N. Toosi University of Technology*, Tehran, Iran
- Course webpage: <https://m-zakeri.github.io/AI>
- 2023 **Lecturer (Database systems design—undergraduate)**, *K. N. Toosi University of Technology*, Tehran, Iran
- Course webpage: <https://m-zakeri.github.io/DatabaseDesign/>
- 2023 **Lecturer (Programming languages and compiler design—undergraduate)**, *University of Tehran (Fouman Faculty of Engineering)*, Gilan, Iran
- Course webpage: <https://m-zakeri.github.io/Compilers>
- 2023 **Lecturer (Fundamental of compiler design—undergraduate)**, *Iran University of Science and Technology*, Tehran, Iran
- Course webpage: <https://m-zakeri.github.io/IUSTCompiler>

- 2022 **Teaching assistant (Software architectures—graduate)**, *Iran University of Science and Technology*, Tehran, Iran
- Instructor(s): [Dr. Mehrdad Ashtiani](#)
 - Responsibilities: Designing and grading assignments and projects, holding extra office hours, and students' seminars
- 2017—2022 **Teaching assistant (Fundamental of compiler design—undergraduate)**, *Iran University of Science and Technology*, Tehran, Iran
- Instructor(s): [Dr. Saeed Parsa](#)
 - Web-page: <http://parsa.iust.ac.ir/courses/compilers>
 - Responsibilities: Designing and grading assignments, holding extra office hours, and editing lecture notes.
 - Funded by Iran's National Elites Foundation
- 2018—2022 **Teaching assistant (Advanced compiler—graduate)**, *Iran University of Science and Technology*, Tehran, Iran
- Instructor(s): [Dr. Saeed Parsa](#)
 - Web-page: <http://parsa.iust.ac.ir/courses/advanced-compilers/>
 - Responsibilities: Designing and grading assignments and projects, holding extra office hours, and editing lecture notes.
- 2019—2021 **Teaching assistant (Advanced software engineering—graduate)**, *Iran University of Science and Technology*, Tehran, Iran
- Instructor(s): [Dr. Saeed Parsa](#)
 - Web-page: <http://parsa.iust.ac.ir/courses/advanced-software-engineering/>
 - Responsibilities: Designing and grading assignments and projects, holding extra office hours, and students' seminars, and updating lecture notes.
- 2020 **Teaching assistant (Game theory—graduate)**, *Iran University of Science and Technology*, Tehran, Iran
- Instructor(s): [Dr. Vesal Hakami](#)
 - Web-page: <https://m-zakeri.github.io/game-theory.html#game-theory>
 - Responsibilities: Designing and grading assignments and projects, holding TA classes.
- 2020 **Teaching assistant (Complex dynamic networks—graduate)**, *Iran University of Science and Technology*, Tehran, Iran
- Instructor(s): [Dr. Hossein Rahmani](#)
 - Web-page: <https://m-zakeri.github.io/dynamic-complex-network.html#dynamic-complex-network>
 - Responsibilities: Designing and grading assignments and projects.
- More <https://www.m-zakeri.ir/list-of-my-teaching-courses.html>

Student mentoring

- 2021—2023 **Ali Majidzadeh**, *M.Sc.*, Thesis area: requirements traceability
- 2020—2022 **Alireza Ardalani**, *M.Sc.*, Thesis area: automated refactoring, goal modeling, Next: Ph.D. at New Jersey Institute of Technology (NJIT)
- 2020—2022 **Ehsan Esmaeili**, *M.Sc.*, Thesis area: code smell detection, software quality
- 2020—2022 **Masoud Ekhtiarzadeh**, *M.Sc.*, Thesis area: code recommendation, automated rename refactoring
- 2020—2022 **Mohammad Ramezani**, *M.Sc.*, Thesis area: code recommendation, software readability
- 2019—2021 **Mahnoosh Shahidi**, *M.Sc.*, Thesis area: automated refactoring, batch refactoring
- 2021—2022 **Sadegh Jafari**, *B.Sc.*, Thesis area: software testability, refactoring to design patterns, Next: M.Sc. at Iran University of Science and Technology (IUST)
- 2020—2021 **Ali Ayati**, *B.Sc.*, Thesis area: automated refactoring, refactoring engines, Next: Ph.D. at Texas A&M University
- 2019—2020 **Mohsen Farahanchi**, *B.Sc.*, Thesis area: software testing, test suite minimization, Next: M.Sc. at Shahid Beheshti University

Services

- 2025 **PC Member**, *6th National Informatics Conference (NIC'25)*, <https://cs.ipm.ac.ir/nic/1403>, Institute for Research in Fundamental Sciences (IPM), Feb. 26-27, 2025, Tehran, Iran.
- 2025 **Reviewer**, *30th Asia and South Pacific Design Automation Conference (ASP-DAC)*, <https://www.aspdac.com>, Tokyo Odaiba Miraikan, Japan
- 2024 **Journal reviewer**, *Scientific Reports*, <https://www.nature.com/srep>
- 2024 **Journal reviewer**, *ACM Transactions on Software Engineering and Methodology*, <https://dl.acm.org/journal/tosem>
- 2023 **Journal reviewer**, *Neural Computing and Applications*, <https://link.springer.com/journal/521>

- 2023 **Journal reviewer**, *Science of Computer Programming*, <https://www.sciencedirect.com/journal/science-of-computer-programming>
- 2023 **Journal reviewer**, *Medical & Biological Engineering & Computing*, <https://www.springer.com/journal/11517>
- 2022 **Journal reviewer**, *The ISC International Journal of Information Security (ISecure)*, <http://www.isecure-journal.com>
- 2022 **Journal reviewer**, *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, <http://telkomnika.uad.ac.id/index.php/TELKOMNIKA>
- 2022 **Journal reviewer**, *Artificial Intelligence Review*, <https://www.springer.com/journal/10462>
- 2021 **Journal reviewer**, *Communications in Combinatorics, Cryptography & Computer Science (CCCS)*, <http://vonneumann-publishing.com/cccs>
- 2020 **Reviewer**, *5th International Conference on Combinatorics, Cryptography, Computer Science, and Computing (I4C'20)*, <http://i4c.iust.ac.ir/index.php?lang=en>, Tehran, Iran
- 2019 **Reviewer**, *25th International Computer Conference, Computer Society of Iran (CSICC'20)*, <http://csicc2020.iust.ac.ir/en/reviewers-committee.html>, Tehran, Iran
- More <https://orcid.org/0000-0003-4289-0606>

Memberships

- 2023–Now Professional member, Association of Computing Machinery (ACM) <https://member.acm.org/~mzakeri-nasrabadi>

Personal Info. and References

- ▷ **Find more** - More information, including my presentations, talks, teaching resources, and open-source projects can be found on my website: <https://m-zakeri.github.io>. Kindly, do not print this resume to avoid missing hyperlinks and help create a green environment.
 - Personal email: m-zakeri@live.com
 - GitHub profile: <https://github.com/m-zakeri>
- ▷ **References**
 1. Prof. [Saeed Parsa](mailto:parsa@iust.ac.ir) - Iran University of Science and Technology (parsa@iust.ac.ir)
 2. Prof. [Mohammad Abdollahi Azgomi](mailto:azgomi@iust.ac.ir) - Iran University of Science and Technology (azgomi@iust.ac.ir)
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 - More references are available upon request.

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