Ramtin Ehsani

Drexel University, Department of CCI
✉ ramtin.ehsani@drexel.edu
🖥 ramtin-ehsani.github.io

Research Interests

My current focus is on automated program repair and utilizing large language models to enhance software engineering tasks, such as issue resolution. I am broadly interested in advancing AI-driven approaches for improving software tools and environments.

Interests: AI for Software Engineering, Empirical Software Engineering, Natural Language Processing, Large Language Models, Data Analysis, Automated Software Engineering, Human/Social Aspects of Software Engineering

Education

2023–present	**Ph.D., Computer Science**, *Drexel University*, PA, USA.
2018–2022	**B.Sc., Computer Engineering**, *Iran University of Science and Technology*, Tehran, Iran.

Publications

In Conference Proceedings

2025 **Ramtin Ehsani et al.** 2 papers under review. In *Proceedings of the 22nd International Conference on Mining Software Repositories (MSR)*, 2025.

2024 **Ramtin Ehsani**, Mia Mohammad Imran, Robert Zita, Kostadin Damevski, and Preetha Chatterjee. Incivility in open source projects: A comprehensive annotated dataset of locked github issue threads. In *Proceedings of the 21st International Conference on Mining Software Repositories*, MSR '24, page 515–519, New York, NY, USA, 2024. Association for Computing Machinery.

2023 **Ramtin Ehsani**, Rezvaneh Rezapour, and Preetha Chatterjee. Exploring moral principles exhibited in oss: A case study on github heated issues. In *Proceedings of the 31st ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering*, ESEC/FSE 2023, page 2092–2096, New York, NY, USA, 2023. Association for Computing Machinery.

2023 Layla Bouzoubaa, **Ramtin Ehsani**, Preetha Chatterjee, and Rezvaneh Rezapour. The evolution of substance use coverage in the philadelphia inquirer. In *International AAAI Conference on Web and Social Media (ICWSM)*, 2023.

2022 Mohammad Ilbeigi, Azita Morteza, and **Ramtin Ehsani**. Emergency management in smart cities: Infrastructure-less communication systems. In *Construction Research Congress 2022*, pages 263–271, 2022.

Journal Articles

2022 Mohammad Ilbeigi, Azita Morteza, and **Ramtin Ehsani**. An infrastructure-less emergency communication system: A blockchain-based framework. *Journal of Computing in Civil Engineering*, volume 36, page 04021041, 2022.

Research Experience

2023–present	**SOAR Lab – Drexel University**, *Research Assistant*, Conducting research in software engineering, focusing on enhancing tools and environments for developers by leveraging techniques in data mining, natural language processing, and large language models..

Industry Experience

2020–2021 ***Software Developer – KayaDev, Tehran***, Developed Android applications using Java, Android Studio, and Firebase, focusing on creating efficient and user-friendly solutions. Mentored a group of junior developers in an online bootcamp, helping them build foundational skills in software development and programming..

Fellowships & Awards

2023 ***ACM - SIGSOFT CAPS Travel Award*** ACM Special Interest Group on Software Engineering to financial support for selected researchers in attending the 31st ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE)

2023 ***GSA Graduate Student Domestic Travel Subsidy Award*** Recipient of an $800 grant to facilitate academic travel for participation in the 31st ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE).

Professional Services & Achievements

2024 **MSR Junior Program Committee** in 22nd *International Conference on Mining Software Repositories* (MSR 2025), Ottawa, Canada.

2024 **Journal Review Committee** in *Journal of Automated Software Engineering* (ASE)

2023 **ICSE Artifact Evaluation Committee** in 40th *International Conference on Software Engineering* (ICSE 2024), Lisbon, Portugal.

Professional Memberships & Affiliations

2024–present ***Events Coordinator – Doctoral Student Association (DSA)***, *Drexel University, College of Computing and Informatics*, Serving as an Executive Board Member and Events Coordinator, organizing academic and social events to foster community engagement and support for doctoral students.

2023–present ***Member – Association for Computing Machinery (ACM)***.

Technical Skills

Programming Languages Python (Pandas, PyTorch, NLTK), Java (Android, Kotlin), C# (Unity)

Web Technologies HTML 5, ReactJS, Javascript