Amirali Sajadi

Curriculum Vita

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Research Interests

I research **software engineering** with an emphasis on improving **software security**. I am particularly interested in leveraging NLP to uncover security implications through the analysis of developers' communications and their interactions with LLMs.

Education

Drexel University — Pennsylvania, USA
Ph.D. in Computer Science — 2022–Current

Azad University Karaj Branch — Alborz, IRN
B.Sc. in Computer Engineering — 2018–2021

Research Experience

Research Assistant — Pennsylvania, USA
SOAR Lab - Drexel University ↗ — 2022-Current

- Conducted an empirical study on the role of interpersonal trust among open-source developers across the GitHub platform. [ICSE '2023]
- Performed a qualitative analysis on the textual communications of developers and published a publicly available dataset for sentiment analysis purposes. [ESEC/FSE '2023]

Publications

- **Amirali Sajadi**, K. Damevski, and P. Chatterjee, **"Interpersonal Trust in OSS: Exploring Dimensions of Trust in GitHub Pull Requests"**, Proceedings of the 45th International Conference on Software Engineering (ICSE), New Ideas and Emerging Results Track, May 2023 (Acceptance rate: 22%)

- **Amirali Sajadi**, K. Damevski, and P. Chatterjee, **"Towards Understanding Emotions in Informal Developer Interactions: A Gitter Chat Study"**, The 31st ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), Ideas, Visions and Reflections Track, Dec 2023

Research Presentation

- **Interpersonal Trust in OSS: Exploring Dimensions of Trust in GitHub Pull Requests**, 45th International Conference on Software Engineering (ICSE), Paper Presentation Talk, via Zoom.

- **Towards Understanding Emotions in Informal Developer Interactions: A Gitter Chat Study,** 31st ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), Paper Presentation Talk, California, USA.

Undergraduate Student Mentoring

Under the supervision and in collaboration with my advisor Dr. Preetha Chatterjee, served as graduate research mentor for three undergraduate students. Worked closely with the students to perform qualitative and quantitative analyses.

– **Vanessa Martinez**, Curated a dataset for sentiment analysis, using developer chat utterances, 2023

– **Binh Lee, Anh Nguyen**, Performed data analysis and a case study on the security of the LLM-generated content, 2024

Service to Profession

ICSE Artifact Evaluation Committee   ICSE 2024
40th International Conference on Software Engineering

Honors and Awards

– **Drexel CCI Travel Award, 2022**, Department funding - covering 50% of conference travel costs for ICSE 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)

– **GSA Graduate Travel Subsidy Award, 2023**, University funding - covering 50% of conference travel costs for ESEC/FSE 2023

Professional Membership & Affiliation

– **Member, Doctoral Student Association (DSA), Drexel University**
Executive Board Member and Events Coordinator at Doctoral Student Association (DSA) Drexel University College of Computing and Informatics, 2023-2024

– **Member, Association for Computing Machinery (ACM),** 2022-Current

– **Member, Upsilon Pi Epsilon (UPE), Drexel Chapter**, 2024-Current

References

Available on Request.