

ALIREZA SALKHORDEH ZIABARI

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RESEARCH INTEREST

Natural Language Processing, Machine Learning, Robustness and Fairness

EDUCATION

Ph.D. in Computer Science, University of Southern California, Los Angeles, CA, U.S. 2021 - Expected 2026
PI: Morteza Dehghani Member of Morality and Language Lab

B.Sc. in Computer Engineering, Sharif University of Technology, Tehran, Iran. 2016 - 2020
PI: Mohammad Hossein Rohban, GPA: 3.74/4

PUBLICATIONS

- [1] Omrani, A., **Ziabari, A.**, Yu, C., Golazizian, P., Kennedy, B., Atari, M., Ji, Heng., Dehghani, M. (2023) [Social-Group-Agnostic Bias Mitigation via the Stereotype Content Model](#) — [ACL 2023, Nominated for Best Paper Award \(1.6% of accepted papers\)](#).
- [2] Omrani, A.*, **Ziabari, A.***, Golazizian, P., Sorensen, J., Dehghani, M. [Towards a Unified Framework for Adaptable Problematic Content Detection via Continual Learning](#) — Under review at TACL.
- [3] **Ziabari, A.**, Omrani, A., Golazizian, P., Hejabi P., Kennedy, B., Dehghani, M. [Reinforced Multiple Instance Selection for Speaker Attribute Prediction](#) — In Preparation for NAACL2024.
- [4] Golazizian, P.*, Omrani, A., **Ziabari, A.**, Dehghani, M. [Towards Capturing More Perspectives in Subjective Tasks: A Disagreement-Driven Instance Selection Framework](#) — In Preparation for NAACL2024.
- [5] Trager, J.*, **Ziabari, A.***, Davani, A.M., Golazizian, P., Karimi-Malekabadi, F., Omrani, A., Li, Z., Kennedy, B., Karl Reimer, N., Reyes, M., Cheng, K., Wei, M., Merrifield, C., Khosravi, A., Alvarez, E., Dehghani, M. [The Moral Foundations Reddit Corpus](#) — In Preparation.

EXPERIENCE

Data Scientist at Tapsi Oct. 2020 - May. 2021

- Led online traffic estimation projects, improving to 5% average ETA compared to Google Maps and Waze.
- Developed time-series autoencoder to estimate online traffic using drivers' locations.

Machine Learning Intern at Fanap Advanced Technology Lab (Zlab) July 2020 - Oct. 2020

- Built Object Detection tool, which led to intelligent grocery store carts.
- Maintained a data set and trained a Yolo-v5.

Research Assistant at Sharif University of Technology Sept. 2018 - Aug. 2020

- PI: Mohammad Hossein Rohban. Member of Robust and Interpretable Machine Learning Lab
- Designed a Meta-Learning algorithm for anomaly detection.

SELECTED SKILLS

Programming Language: Python, R, Java, C++, C, MatLab, SQL.

Software: Pytorch, Tensorflow, Keras, Transformers, pySpark, NLTK, Pandas, Numpy, Scikit-learn, bash.

HONORS AND AWARDS

Best Poster Award, Society for Personality and Social Psychology (SPSP)	2023
Ranked 9th among Computer Engineering Students in Sharif University of Technology.	2020
Ranked 213th among over 200,000 participants in the Nationwide University Entrance Exam.	2016
Member of the National Organization for Development of Exceptional Talents.	2009