

AMIR REZA MOHAMMADI

Contact Information

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Research Interests

Topics: Machine Learning, Recommender Systems, Explainable AI, Graph Neural Networks

Education

- 2022 - Pres. **PhD Cand. in Computer Science**, *Universität Innsbruck*, Innsbruck, Austria
Thesis Explainable Graph Neural Network Recommenders (📄), Supervisor: Dr. Eva Zangerle ☞
- 2019 - 2021 **M.Sc. in Computer Science**, *Institute for Advanced Studies in Basic Sciences*, Zanjan, Iran
Thesis Web User Intention Forecasting Using AutoML (📄, 📄), Supervisor: Dr. Mahdi Bohlouli ☞
GPA 19.64/20.0 — Ranked 1st
- 2018 **Visiting Researcher**, *Studied as an EU funded Erasmus+ project called GraDAna in partnership with Vienna University of Technology (TUWIE), University of Bonn (UoB) and 9 other partners and universities.*, Bonn, Germany ☞
- 2014 - 2018 **B.Sc. in Information Technology**, *Institute for Advanced Studies in Basic Sciences (IASBS)*
Thesis Twitter Sentiment Analysis Using Apache Spark MLlib. Supervisor: Dr. Zahra Narimani ☞
GPA 18.14/20.0 — Ranked 4/48

Publications

- ⇒ **A.R. Mohammadi**, A. Peintner, M. Müller, E. Zangerle: "Are We Explaining the Same Recommenders? Incorporating Recommender Performance for Evaluating Explainers" (RecSys24)(📄, 📄)
- ⇒ **A.R. Mohammadi**, E. Zangerle: "Explainable Graph Neural Network Recommenders; Challenges and Opportunities" (RecSys23)(📄)
- ⇒ A. Peintner, **A.R. Mohammadi**, E. Zangerle: "SPARE: Shortest Path Global Item Relations for Efficient Session-based Recommendation" (Accepted at RecSys23)(📄, 📄)
- ⇒ **A.R. Mohammadi**, A.H. Karimi, M. Bohlouli, E. Zangerle, G. Specht: "HPT4Rec: AutoML-based Hyperparameter Self-Tuning framework for session-based Recommender Systems" (GvDB22)(📄, 📄)

2019 - 2021 **Research assistant** at Intelligent Systems Group (ISG), IASBS

Work Experience

- Fall 2020 **Language Contributor** at WordUp, Geeks Ltd, London, UK (Remote)
- 2019 - 2020 Funded Startup **Co-Founder** (Kaseb), Arvancloud Company, Tehran, Iran
- 2017 - 2018 SarvTech company research **internship**, Supervisor: Dr. Peyman Pahlevani