

AMIR REZA MOHAMMADI

Contact Information

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Research Interests

Topics: Machine Learning, Recommender Systems, XAI, Cloud Technologies, Graph Neural Networks

Education

- 2022 - Pres. **PhD Cand. in Computer Science**, *University of Innsbruck*, Innsbruck, Austria
Thesis Explainable Graph Neural Network-based 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 GraDA in partnership with Vienna University of Technology (TUV), University of Bonn (UoB) and 9 other partners and universities.*, Bonn, Germany 📧

Selected Publications

- ⇒ **A.R. Mohammadi**, A. Peintner, M. Müller, E. Zangerle: "Beyond Top-1: Addressing Inconsistencies in Evaluating Counterfactual Explanations for RecSys" (**Best Paper Award** 🏆)(📄, 🧠)(RecSys25)
- ⇒ **A.R. Mohammadi**, A. Peintner, M. Müller, E. Zangerle: "Are We Explaining the Same Recommenders? Incorporating Recommender Performance for Evaluating Explainers" (RecSys24)(📄, 🧠)
- ⇒ A. Peintner, **A.R. Mohammadi**, E. Zangerle: "SPARE: Shortest Path Global Item Relations for Efficient Session-based Recommendation" (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)(📄, 🧠)

Work Experience

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

Skills

- Languages Persian (Native), English (IELTS: **Band 7**), German (B1)
- Programming Python (10+ years), JavaScript (4+ years) C++ (2 years), Erlang (1 year)
- Tools, Tech. Linux (9+ years), Git (7+ years), Microsoft NNI (2+ year)
- Libraries Python Scientific Stack (7+ years), PyTorch (6+ years), Apache Spark (2+ years)