

Mohanna Hoveyda

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I am a second-year PhD candidate at Radboud University, specializing in *Knowledge-Enriched conversational AI*, co-advised by Professors [Arjen P. de Vries](#), [Maarten de Rijke](#), and [Faegheh Hasibi](#). My research interests encompass 1) Grounding conversational systems using knowledge bases 2) Employing neuro-symbolic solutions for reasoning with LLMs, and 3) Developing adaptive systems that automatically select the best answering strategies—be it direct response, retrieval, or reasoning—based on user input characteristics.

EDUCATION

PhD, Radboud University, iCIS Knowledge-Enriched Conversational AI	Nijmegen, Netherlands <i>February 2023</i>
MSc, University of Tehran, FNST Computational Linguistics	Tehran, Iran <i>September 2020–January 2023</i>
Bachelor, University of Tehran, ECE & FFL Computer Engineering (Minor) French Language and Literature (Major)	Tehran, Iran <i>2018–2020</i> <i>2016–2020</i>
Highschool, National Organization for Development of Exceptional Talents (NODET) Mathematics and Physics	Karaj, Iran <i>2012–2016</i>

RESEARCH

Adaptive Question Answering in a Society of LLMs Co-Authors: Arjen P. de Vries , Harrie Oosterhuis , Faegheh Hasibi , Maarten de Rijke	<i>ArXiv Preprint</i>
Real-World Conversational Entity Linking Requires More Than Zero-Shots Co-Authors: Arjen P. de Vries , Faegheh Hasibi , Maarten de Rijke	<i>ACL 2024 Findings</i>
Network Science-Based Structural Analysis of Semantic Representations Supervisors: Mostafa Salehi , Paulino Villas-Boas , Mahmood Bijankhan	<i>Master's Thesis</i>

EXPERIENCE

Teaching Assistant , Information Retrieval <i>Radboud University, Nijmegen, Netherlands</i>	<i>2023</i>
Teaching Assistant , Machine Learning for Natural Language Processing <i>University of Tehran, Tehran, Iran</i>	<i>2022</i>

WORKSHOPS AND SCHOOLS

The European Summer School on Information Retrieval (ESSIR) Amsterdam, Netherlands, University of Amsterdam Vienna, Austria, Technische Universität Wien	<i>July 2024</i> <i>August 2023</i>
High-Performance Computing (HPC) and Deep Learning Workshop Tehran, Iran, HPC Laboratory, Institute for Research in Fundamental Sciences (IPM)	<i>August 2022</i>
Summer School of Intelligent Learning Tehran, Iran, Institute for Research in Fundamental Sciences (IPM) and Sharif University of Technology	<i>July 2019–August 2019</i>
Autumn School of Mind and Brain Tehran, Iran, Cognitive Sciences and Technologies Council and The University of Tehran	<i>November 2018</i>

AWARDS AND SCHOLARSHIPS

Ranked 6th in Computational Linguistics National Master's Entrance Exam Iran National Organization for Educational Testing	August 2020
Scholarship for Computational Linguistics Master's Program Tehran, Iran, University of Tehran	August 2020
2nd Prize for The Best Actress in The 4th Student Festival of Francophone Theater Tehran, Iran, Iranian Association of French Literature and Language (AILLF)	May 2019
Scholarship for Bachelor of French Literature Tehran, Iran, University of Tehran	August 2016

SKILLS

Languages: English (fluent), French (intermediate), Dutch (basic), Persian (native)

Programming: Python (Advanced), C (Intermediate), C++ (Intermediate), HTML (Basic), CSS (Basic)

Frameworks & Other Computing Skills: Natural Language Processing (NLTK, SPACY, Gensim, Hugging-face), Deep Learning (Tensorflow, Cuda, Scikit-learn), Others (Networkx, Numpy, Pandas, Seaborn), Praat

REFERENCES

Arjen P. de Vries

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Professor of Information Retrieval at Radboud University and Research Director of iCIS

Maarten de Rijke

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Professor of Artificial Intelligence and Information Retrieval at the University of Amsterdam

Faegheh Hasibi

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Assistant Professor of Information Retrieval at iCIS at Radboud University