

Vahid Rahimzadeh

vahyd@live.com | vavre.github.io


 [Linkedin](#) |  [GitHub](#)

Delft, Netherlands | Last Update: Dec 2025

RESEARCH INTERESTS

Natural Language Processing, Language Technologies, Computational Social Science, Machine Behavior, Information Retrieval, AI Safety & Security, Personalized Agents, Cultural Competence in AI, Human-Centered AI, Social Networks

EDUCATION


- Delft University of Technology** 

Ph.D. in Artificial Intelligence

Oct. 2025 – Present
Delft, Netherlands

Working on the safe and responsible integration of AI (language technologies) in digital environments

Supervisors: [Savvas Zannettou](#), [Yury Zhauniarovich](#)


GPA: 4.00/4.00 (18.5/20)
- University of Tehran** 

M.Sc. in Information Technology Engineering

Sep. 2022 – Aug. 2025
Tehran, Iran

Thesis: User Behavior Modeling in Social Networks using LLMs

Supervisors: [Azadeh Shakery](#), [Masoud Asadpour](#)

GPA: 4.00/4.00 (18.5/20)
- Isfahan University of Technology** 

B.Sc. in Mechatronics, Automation & Robotics

Sep. 2016 – Sep. 2021
Isfahan, Iran

Final Project: Android App for Planar Dynamic Balance of Rotors using Real-time Accelerometer Data

GPA: 3.11/4.00 (15.59/20)


PUBLICATIONS

- "PolitiSky24: U.S. Politics Bluesky Dataset with User Stance Labels". Accepted at **EMNLP 2025, Findings**.
P Rostami, **V Rahimzadeh**, A Adibi, A Shakery.
- "SYNTHIA: Synthethic Yet Naturally Tailored Human-Inspired PersonAs". Submitted to **ACL 2026**.
V Rahimzadeh*, E Moosavi*, MT Pilehvar, Y Yaghoobzadeh. **equal contribution*
- "PerCul: Story-Driven Cultural Evaluation of LLMs in Persian". Accepted at **NAACL 2025 main conference**.
E Moosavi*, **V Rahimzadeh***, Y Yaghoobzadeh, A Shakery, MT Pilehvar. **equal contribution*
- "From Millions of Tweets to Actionable Insights: Leveraging LLMs for User Understanding". Accepted at **MisD@ICWSM 2025**.
V Rahimzadeh, A Hamzehpour, A Shakery, M Asadpour.

PROFESSIONAL EXPERIENCE


- Researcher**

Oct. 2024 – Oct. 2025
Tehran, Iran

Tehran Institute for Advanced Studies (TeIAS) 

◦ Working in Large Language Models Lab under the supervision of [Mohammad Taher Pilehvar](#) & [Yadollah Yaghoobzadeh](#)
- AI Engineer | LLM, LLMOps**

Oct. 2023 – Oct. 2024
Tehran, Iran

RamonAI, ModAI App 

◦ Maintaining the main GitLab Repository with 7+ people actively working on it

◦ Implementing & Monitoring LLM based Real-time pipelines on Millions of data using scalable queuing, databases & monitoring systems like NATs, Redis, PostgreSQL, Prometheus, Grafana & Sentry


◦ Scalable Deployment & Monitoring of LLMs using vLLM, TGI, LangFuse, Grafana & Sentry

◦ Using & Fine-tuning Different LLMs & VLMs

◦ Implementing RAG based Solutions based on LLMs & KBs & Milvus & complex chatbot back-ends using LangGraph

◦ Involment in complex semantic/lexical search & retrieval systems using Elasticsearch
- Co-Founder, Software Engineer**

Jun. 2019 – Oct. 2023
Tehran, Iran

Qorfechi 

◦ Planned, designed & developed multiple world class standard websites using the latest technologies

◦ Implementing AI based features in Dashboards

LEADERSHIP EXPERIENCE


- **Supervised 2 Bachelor Students for Summer Internship**
Large Language Models Lab, Tehran Institute for Advanced Studies (TeIAS)
 - Supervised research projects with planned paper submission for ACL 2026
 - **Advised an M.Sc. Student (Admitted Through Exceptional Talents Program)**
Intelligent Information Systems Lab, University of Tehran
 - **Mentored the first-ranked student of the B.Sc. Computer Engineering Class of 2025**
Intelligent Information Systems Lab, University of Tehran
 - Covered NLP from basics to LLMs
 - Resulted in a submission to ECIR 2025 & subsequent research projects are in progress
 - **Mentored 2 Interns focused on NLP**
ModAI & RamonAI
 - Covered relevant NLP concepts from tokenization & embeddings to LLMs
 - Covered relevant Industry knowledge from python to API for AI products & Dockerized applications
 - They both landed jobs as junior NLP engineers in the company
 - One of them is maintaining the backend for a product & the other is in charge of APIs


May 2025 – Sep. 2025


Oct. 2024 – Sep. 2025


Jun. 2024 – Oct. 2024

Jun. 2024 – Sep. 2024









TEACHING EXPERIENCE

- **TA in Large Language Models**
ECE @ University of Tehran, Yadollah Yaghoobzadeh, Mohammad Javad Dousti
 - **TA in Advanced Natural Language Processing**
CS @ University of Cardiff, Mohammad Taher Pilehvar
 - Designined Hands-on Assignments on Fine-tuning and In Context Learning techniques in LLMs
 - **Head TA in Advanced Data Mining**
ECE @ University of Tehran, Azadeh Shakery
 - Implemented the course’s website
 - Worked with a wonderful diverse team of 6 TAs
 - Coordinated 6 CAs, 3 Workshops & Paper presentation module for the course
 - **TA in Intelligent Information Retrieval**
ECE @ University of Tehran, Dr Azadeh Shakery
 - Designed a completely new final project for the course based on curation of relevancy dataset & implementing various retrieval algorithms & evaluations in the context of a conversational RAG system (2024)
 - Implemented the course website (2024)
 - Held workshops on fine-tuning BERT for classification for the first time (2023)
 - **TA in Natural Language Processing**
ECE @ University of Tehran, Heshaam Faili
 - Implemented the course website
 - Changed the dialogue system & chatbot (Final Project) entirely from Rasa to LangGraph & LLM based approaches
 - Designed a 12 step carefully crafted CA based on cutting edge technologies & open source tools
 - Held a Workshop on the matter since the high quality relevant materials were not available on the Internet

2025

2024–2025

2023–2025

2023–2025

2023

[\[Course Website\]](#)

[\[Course Website\]](#)

[\[Course Website\]](#)

SELECTED PROJECTS

- **LLM based Medical Assistant Chatbot Using LangGraph**
Tools: LLaMa 3 70B, FAISS, LangChain, Sentence Transformers
 - Developed a chatbot system leveraging advanced language models for medical assistance
 - **LLM Based Book Search System on Ketabrah Books**
Tools: BeautifulSoup, LangChain, ChromaDB, Sentence Transformers, Numpy
 - Implemented a conversational book search system & evaluated retrieval using nDCG, P@K
 - **Dynamic Benchmarking Logic Adaptable to Different LLMs, Prompts & Visualizations**
Tools: LangChain, Python, tqdm, Pandas,
 - Conducted benchmarking of 32+ language models as part of the PerCul paper
 - **Processing & Filtering of 6M+ Tweets**
Tools: PyTorch, Peft, Scikit Learn, Pandas, LanceDB
 - Implemented tweet selection algorithms & scalable retrievers, clustering methods & semi-supervised fine-tuned BERT based classifier as a part of my second paper
 - **Personalized Apply Agent**
Tools: CrewAI, LangGraph, LangChain, Milvus, Jina Embeddings
 - A tool to organize and efficiently retrieve information for PhD apply of myself based on LLM based agents and pipelines

[\[GitHub\]](#)

[\[GitHub\]](#)

[\[GitHub\]](#)

SKILLS

- **Soft Skills** Teamwork, Meeting Tight Deadlines
- **Programming Languages** Python, Javascript
- **Large Language Models** vLLM, LangChain, LangFuse, TGI, Unsloth, HF Trainer, PEFT, Datasets, TRL
- **Databases** ElasticSearch, Milvus, lanceDB, Redis, PostgreSQL
- **Pipeline & Monitoring Tools** NATs, Prometheus, Grafana, Portainer, Sentry
- **Tools & Misc** GitLab, JIRA, Docker Compose, Confluence
- **Machine Learning** PyTorch, Scikit Learn, evaluate
- **Retrieval** Sentence Transformers, Lexical Retrieval, Semantic Retrieval, ColBERT, BM25
- **Web Technologies** Laravel, VueJS, Swiper, Streamlit, Gradio
- **Additional Skills:** Code Reviewing, Repository Maintenance, Team Management

HONORS & AWARDS

Ranked 2nd in Nationwide Graduate Level University Entrance Test of Information Technology Engineering	2022
Ranked 6th in Nationwide Graduate Level University Entrance Test of Computer Engineering	2022

LANGUAGES

Persian: Native, **English:** IELTS Academic 8.5/9