

Mohammad Mahdi Gheidi

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🔗 LinkedIn

Education

Oct 2024 - Present **University of Freiburg,**
Computer Science, AI Specialization, MSc.
Current GPA: 1.7/5

Sep 2019 - Jun 2024 **Sharif University of Technology,**
Computer Engineering, BSc.
GPA: 18.35/20

Research Interests

Computational Neuroscience **Understanding the way human-brain performs certain tasks, especially acquiring languages and similarities of NNs in this process, studying plasticity of NNs, determining the relations of Critical period hypothesis and primacy bias .**

Reinforcement Learning **Interested about learning and working on achieving AGI through RL-based methods, RL implementations of a human-brain-like actions on real-life tasks .**

NLP **Passionate about NLP and DL, intersecting with social/medical/human-related subjects.**

Research Experiences

Oct 2025 - Present **Scientific Research Assistant, IMBIT Freiburg, BrainLinks-BrainTools, Freiburg, Germany.**
Under supervision of Prof. Dr. Joschka Bödecker and Dr. Shengchao Yan, researching the loss of plasticity in neural network architectures.

Sep 2023 - July 2024 **Research Assistant, NLP & DH Lab, Sharif University of Technology, Tehran, Iran.**
Contributing and optimizing the Farsi OCR project, using NLP and Computer Vision modules, under the supervision of Dr. Ehsaneddin Asgari.

May 2022 - Oct 2022 **Research Assistant (remote), Qatar Computing Research Institute (QCRI), Doha, Qatar.**
Under the supervision of Dr. Amin Sadeghi and Dr. Mahdi Safarnejad, worked on a novel approach to sequence human genome using deep learning and transformer models.

Teaching Assistant

Spring 2023/Fall 2022 **Artificial Intelligence, Dr. MohammadHossein Rohban.**

Spring 2023/Spring 2022 **Design of Algorithms, Dr. MohammadAli Abam.**

Spring 2023 **Advanced Programming, Dr. MohammadAmin Fazli.**

Spring 2022/Fall 2021 **Data Structures and Algorithms - Head TA, Dr. Mahdi SafarNejad.**

Work Experience

Nov 2024 - Present **AI Ambassador/Senior Technical Consultant, SERITY.**
○ Created the AI driven workflows based on ServiceNow Principles, Consultancy and custom implementations for company's customers.

May 2023 - Oct 2024 **Software Engineer, DIVAR.**
○ Search and discovery team, trying to improve main page and release various features for the leading classified ads platform in Iran.

Aug 2022 - May 2023 **Software Engineer, CAFE BAZAAR.**
○ Working on a new e-commerce platform as a software engineer using mainly Python & Django.
○ Mastered Unix-based operating systems, git, docker and software design architectures.

Jul 2021 - Feb 2022 **MLOps Engineer / Software Engineer , MOFID SECURITIES.**
○ Automate the ML pipeline for the AI team using different frameworks, including mlflow and dvc.
○ Automating scripts, benchmarks and writing integration tests for different server-side products.

Awards and Honors

- Aug 2019 **National university entrance exam(Konkoor)**, *Mathematics and Physics major*.
◦ Ranked 29th amongst more than 200000 participants that year(Top 0.01%) which qualified me to study Computer Engineering at Sharif University.
- Aug 2019 **National university entrance exam(Konkoor)**, *English language major*.
◦ Ranked 25th among more than 100000 participants that year (Top 0.02%).

Relevant Courses

Reinforcement Learning , 1.3/5, MSc.	Signals & Systems , 19.8/20, BSc.
Machine Learning , 1.3/5, MSc.	Artificial Intelligence , 19.7/20, BSc.
Deep Learning , 2.0/5, MSc.	Linear Algebra , 19.3/20, BSc.
Natural Language Processing , 19.6/20, BSc.	Data Structures and Algorithms , 20.0/20, BSc.

Skills

Intermediate	GoLang, ELASTICSEARCH, HTML, CSS, PyTorch, TensorFlow
Advanced	PYTHON, DJANGO, GIT, SQL, NUMPY, SCIKIT-LEARN

Languages

English	Full professional proficiency - CEFR C1
German/Deutsch	Professional working Proficiency - CEFR B2
Persian/Farsi	Native Proficiency