

Emad Jabbar

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EDUCATION

B.Sc. Computer Engineering - Software

Sept.2015 - Present

University of Tehran (UT), Tehran, Iran (the most top university in Iran)

GPA: 16.58/20

Thesis Title: "Response Retrieval with Deep Matching Networks in Information-Seeking Conversation Systems"

Supervisor: Dr. Azadeh Shakery

Diploma and Pre-University in Mathematics

2011 - 2015

NODET High School, Mashhad, Iran

GPA: 19.31/20

RESEARCH INTERESTS

- Natural Language Processing
- Information Retrieval
- Data Mining
- Applied ML
- Software Testing

AWARDS & HONORS

- Ranked within the top 1% among more than 300,000 participants in the Iranian university entrance exam.
- Selected for study in schools of National Organization for Development of Exceptional Talents (NODET) through an exam with less than 1% acceptance rate.

EXPERIENCES

Research Assistant

- Intelligent Information System Lab, University of Tehran, Oct.2019 - present
- Dependable/Distributed Real-Time Systems Lab, University of Tehran, June.2018 - Oct.2018

Teaching Assistant

- Head Teaching Assistant for Artificial Intelligence, University of Tehran
- Head Teaching Assistant for The Theory of Formal Languages and Automata, University of Tehran
- Teaching Assistant for Data Structure, University of Tehran
- Teaching Assistant for Software Testing, University of Tehran
- Teaching Assistant for Real-Time Embedded Systems, University of Tehran
- Teaching Assistant for Internet Engineering, University of Tehran
- Teaching Assistant for System Analysis and Design, University of Tehran
- Teaching Assistant for Software Engineering, University of Tehran

Work Experience

- Student Member at Technology Transfer Office: using LAVA to develop a platform for testing deployments of systems based around the Linux kernel on ARM devices.
- Software Engineering Internship at Rahnema College: Learning and using different software development methodologies.

Voluntary Activities

- Machine Learning & Python Mentorship, IEEE Data Science Winter School, Dec.2019

CONFERENCES & SYMPOSIUMS

- Student committee member, The CSI International Symposium on Real-Time and Embedded Systems and Technologies (RTEST 2018)

SELECTED PROJECTS

- Multi-label classification of the MSDialog dataset with DistilBERT
- A naive bayes classifier application: poet detection from poetry (Hafez and Saadi)
- Classifying MNIST digits with classical classifiers and comparing their performances
- Improving Android message passing and priority inheritance mechanisms
- Implementing a CIFAR-10 classifier using convolutional neural networks in PyTorch
- Decrypting substitution ciphers with genetic algorithm

SKILLS

- Programming Languages: Python, Java, Kotlin, C/C++, JavaScript, Go, VHDL
- Databases: MySQL, SQLite, MongoDB, PostgreSQL
- Applications: GNS3, Wireshark, SysTrace, Perfetto, Android Studio, Microsoft Office
- Other Tools & Libraries: PyTorch, Natural Language Toolkit, Galago, SpaCy
- Operating Systems: Linux, Windows, macOS

LANGUAGES

- Persian: Native
- English: Fluent
 - TOEFL iBT score 103

REFERENCES

- 1- Dr. Mehdi Kargahi: kargahi@ut.ac.ir
- 2- Dr. Azadeh Shakery: shakery@ut.ac.ir
- 3- Dr. Hakimeh Fadaei: h.fadaei@ut.ac.ir
- 4- Dr. Ehsan Khamespanah: e.khamespanah@ut.ac.ir