Emad Jabbar

Personal Data

Place and Date of Birth:	Mashhad, Iran	07 June 1997
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Education

Current Sept. 2015	B.Sc. Computer Engineering - Software *University of Tehran (UT), Tehran, Iran (ranked as the most top university in Iran)* Thesis: "Response Retrieval with Deep Matching Networks in Information-Seeking Conversation Systems"	Supervisor: Prof. Azadeh Shakery GPA: 16.58/20
2015 2011	Diploma and Pre-University in Mathematics *NODET High School, Mashhad, Iran* GPA: 19.31/20

Research Interests

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

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 (2 semesters)
  - Head Teaching Assistant for Machines and Language Theory, University of Tehran (3 semesters)
  - 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 (2 semesters)
  - Teaching Assistant for Internet Engineering, University of Tehran
  - Teaching Assistant for System Analysis and Design, University of Tehran
  - Teaching Assistant for Softwae Engineering, University of Tehran

- **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)

Work Experience

Nov. 2019 July 2019	CROUSE (P.J.S), Tehran Province, Iran *Software Testing Engineer(Student Member at Technology Transfer Office - University of Tehran)* using LAVA to develop a platform for testing deployments of systems based around the Linux kernel on ARM devices
Sept. 2018 July 2017	EPPAD, Tehran Province, Iran *Android Developer* Developing an Android application for insurance clients
May 2017 Jan. 2017	Rahnema College, Tehran, Iran *Software Engineering Intern*

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

Awards & Honors

- Ranked within the top 0.5% 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.

Skills

Programming Languages:	Python, Java, Kotlin, C/C++, JavaScript, Go, VHDL
Databases:	MySQL, SQLite, MongoDB
Applications:	GNS3, Wireshark, Systrace, Microsoft Office, LaTeX
NLP Tools & Libraries:	PyTorch, Natural Language Toolkit, Galago, SpaCy
Operating Systems:	Linux, Windows, macOS

Languages

Persian:	Native
English:	Fluent (TOEFL iBT score: 103)

References

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