Nima Moradi
Software Engineer, Master applicant

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Age: 23

EDUCATION

Bachelor of Computer Engineering
Ferdowsi University of Mashhad, Iran

Bachelor program in Computer Software Engineering with major in Artificial intelligence. (4th year GPA 3.44/4)

High-school diploma
Danial High-School, Mashhad, Iran

Major mathematics and physics. (GPA 3.6/4)

RESEARCH AND WORK EXPERIENCES

Twitter topic modeling
Jul 2019 – Apr 2020
Laboratory Project, University of Mashhad, Iran

A research project dedicated to finding patterns and features inside random tweets through topic modeling with LDA (latent dirichlet allocation) in order to identify autistic users. Supervisor: prof. Mohsen Kahani.

Realtime text to speech engine
Sep 2019 – Jun 2020
Final Undergraduate Project, University of Mashhad, Iran

Developing a real time text to speech engine using Tacotron 2, a neural network architecture of Deep Mind, to deliver real time natural sound in Persian language. Some samples are available in GitHub.

Cloud Gaming Android Platform
Jul 2019 – present
Freelance project for a European Company

Development of a Real-time Peer-to-Peer Android Cloud Gaming platform implementing WebRTC and Android's system level APIs. References can be given.

Intranet Chat Application (internship)
Jul 2018 – Sep 2018
Subsidiary of Iran-Khodro : Mashhad wheel manufacturing

Development of an intranet communication chat application PoC in Android and .Net

Online Grocery Store – Mobile developer
Sep 2016 – Oct 2017
Freelance project for Bagalimoon – Mashhad Iran

Cross-platform React Native Mobile Development of an Online Grocery Store used by thousands of users.

Sedabook
Sep 2018 – Nov 2018
Technical University of Sharif - Android Competition 2018 – 2nd Prize

Development of an Android application creating a marketplace of Audio Books produced and commercialized by individuals.

SKILLS

IT
Computational Intelligence, Machine Vision
Software Patterns and Architecture, Database Design
Android, Kotlin, Java, Python, C++, C
WebRTC, NodeJS, React Native, PHP, Laravel
PyTorch, TensorFlow, LDA, TF-IDF, Word2Vec and Doc2Vec, Cisco Router & Switching

Cloud
AWS Lambda, DynamoDB, Docker, Kubernetes
Google Research Colab, MySQL, Microsoft SQL Server

Teamwork
Gitlab/GitHub, Gitlab CI/CD, Scrum, Agile, Trello

Language
English: Intermediate Advance – IELTS Academic 7
Persian: Native

Personal Skills
Teamwork, Communication, Organization, Commitment

AREAS OF INTEREST
Natural Language Processing
Machine Learning
Software Development
Generative Networks

COMPETITIONS

Sharif AI Challenge
Technical University of Sharif – February 2019
Development of an AI to solve an Online Game problem using Search Tree and Reinforcement Learning

Game Jam
Ferdowsi University of Mashhad – September 2018
Development of a Casual Desktop Java Game

HOBBIES
Jazz, Football, Cooking, Gardening