Sepehr **Sameni**

AI ENGINEER

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"What we lack in knowledge, we make up for in data."

Education

University of Tehran	*Tehran, Iran*
MASTER IN ARTIFICIAL INTELLIGENCE	*Sep. 2017 - Now*

- Expected graduation date : Sep. 2019

University of Tehran	*Tehran, Iran*
B.S. IN SOFTWARE ENGINEERING	*Sep. 2013 - Jun. 2017*

- GPA: 17.80/20

Allameh Helli High School	*Tehran, Iran*
DIPLOMA IN MATHEMATICS	*July 2009 – July 2012*

Experience

University of Tehran	*Tehran, Iran*
AI RESEARCHER	*Fall 2017-Now*

- Using GANs to generate realistic EEG signals with Dr. Sadeghi

University of Tehran	*Tehran, Iran*
TEACHER ASSISTANT	*Spring 2014-Now*

- TA of many courses including Advanced Programming, OS, Internet Engineering and Signals & Systems

Aban Corp.	*Tehran, Iran*
SOFTWARE ENGINEER	*Summer 2017*

- Design and implementation of an Advertising Platform for Telegram with node and python

Aban Corp.	*Tehran, Iran*
DATA SCIENTIST	*Summer 2016*

- Implemented an app2vector engine for Aptoide in Iran based on the app description and reviews.

Pars Petro Zagros Geophysics	*Tehran, Iran*
SOFTWARE DEVELOPER	*Summer 2015*

- Highly efficient Ricker estimated deconvolution using C and OpenMP.

Aban PPC	*Tehran, Iran*
JUNIOR SOFTWARE ENGINEER	*Summer 2013*

- Implemented a log aggregation system for their CDN system using twitter's storm(now known as apache storm).

Honors & Awards

2015-16	**FOE Award**, ranked 3rd among students of Computer Engineering	*Tehran, Iran*
2013-14	**FOE Award**, ranked 2nd among students of Computer Engineering	*Tehran, Iran*
2013	**Ranked 91th (regional rank)**, and 160th (national rank) in the National Universities Entrance Examination among more than 300,000 contestants, 2013	*Tehran, Iran*
2012	**Ranked 1st (regional rank)**, Khwarizmi youth award	*Tehran, Iran*

Skills

- Programming Languages: Python, C, C++, CUDA, Java, Java Script, Verilog
- Deep Learning Frameworks: PyTorch, Keras, TensorFlow

Notable Projects

BRNN
Binarized Recurrent Neural Network *Summer 2017 - Now*
- Trying to binarize RNNs so they could be run on mobile devices and bring offline NLP to masses

Emoji Prediction
My Bachelor of Science Thesis *Spring 2017*
- Emoji prediction for Persian and English with a recurrent deep model trained over bilingual word vectors

Agah Keyboard
Modular Android Keyboard *Fall 2016 - Winter 2017*
- Design and implementation of a modular android keyboard based on AOSP with Swipe feature and a 3-gram language model

F1-AR
F1's Augmented Reality Experience *Summer 2014*
- Augmented Reality for ACM's student branch using OpenCV.

3D Soccer Simulation
Triple-A's 3d-ss team *Spring and Summer 2011*
- Omni-directional walk.
- Multi-power kick.

Mixed Reality Soccer Simulation
Triple-A's mixed-reality team *Fall 2010*
- Participated in Iran Open 2010.

Research Interests

- Natural Language Processing (specially multilingual systems)
- Deep Neural Networks (specially attention and recurrent networks)
- Audio Processing
- Parallel Processing

Language Skills

- Persian: Native
- English: Advanced