

ALIREZA AKHAVANPOUR

LAST UPDATE: November 1, 2019

Date of Birth: March 24, 1991

Place of Birth: Tehran, Iran

Web page: Akhavanpour.ir

LinkedIn: [ir.linkedin.com/in/alirezaakhavanpour](https://www.linkedin.com/in/alirezaakhavanpour)

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Proactive lecturer and researcher with 4+ years of experience teaching courses on undergraduate level. Held many workshop on Deep Learning and Machine Learning. Supervising 7 B.S. theses mostly on Machine Learning, Computer Vision and Deep learning. Computer Vision and Deep Learning Developer with 3+ years of experience.

RESEARCH INTERESTS

Deep Learning
Machine Learning
Neural Network
Machine Vision
Computational Cognitive Vision
NLP

TECHNICAL SKILLS

Tensorflow
Keras
OpenCV
Scikit-learn
Python
C++
Linux

EDUCATION

- | | |
|------------------|---|
| 9/2013 – 12/2015 | Shahid Rajaee University (SRTTU) , M.S.
Major: software engineering <ul style="list-style-type: none">– Thesis: “A Comparative Study of varying parameters in invariant object recognition at behavioral and computational-cognitive model level”– Advisor: Prof. Dr. Reza Ebrahimpour– Final Grade: 18.07 |
| 9/2009 – 8/2013 | Shahid Rajaee University(SRTTU) , B.S.
Major: software engineering |

ACADEMIC EMPLOYMENT

- Summer 2019 **Visiting Lecturer**, Shahid Rajaei University
- Advanced Programming, C++
- Fall 2018 **Visiting Lecturer**, Shahid Rajaei University
- Advanced Deep Learning (Special Issues 2)
- Winter 2017 **Visiting Lecturer**, Shahid Rajaei University
- Python for data science
 - Introduction to Computer Vision & Deep Learning (Special Issues 1)
- Fall 2017 **Graduate Teaching Assistant/Assistant Instructor**, Shahid Rajaei University
- Deep Learning for Dr. Reza Ebrahimpour
- Fall 2016 **Visiting Lecturer**, Shahid Rajaei University
- Computer programming, Python
- Winter 2016 **Visiting Lecturer**, Shahid Rajaei University
- Advanced Programming, C++
- Fall 2015 **Teaching Assistant/Assistant Instructor**, Shahid Rajaei University
- Databases for Prof. Negin Daneshpour
- Winter 2015 **Teaching Assistant/Assistant Instructor**, Shahid Rajaei University
- Data Structures for Prof. Negin Daneshpour

PROFESSIONAL EXPERIENCE

- 2016-2017 Implementing a warning system regarding an ex-convict entering the bank using Face Recognition.
- 2017-Now Computer Vision and Deep Learning Developer and Researcher
- 2018-Now Deep Learning Consultant (part-time), for Face Identification System

IN PROGRESS PAPER AND PROJECTS

Small Data Challenge

- Dataset: Healthy Vs. Cognitively Impaired People – 68 Samples
- In collaboration with Royan Institute and Cognetivity Neurosciences Ltd

Object Recognition under Occlusion

- A comparison among various methods to tackle this challenging condition

PUBLICATIONS AND PRESENTATIONS

Khazaie, Vahid Reza; **Alireza AkhavanPour**, and REZA Ebrahimpour, 2019, Object Recognition under Occlusion Conditions using Generative Models, Sharif Neuroscience Symposium ([Poster](#))

AkhavanPour, Alireza; Hamid Karimi, Nasour Bagheri and REZA Ebrahimpour, 2015, Comparing the ability to recognize objects in the background faced with different variations in human and the new visual cortex model, 9th Iranian Conference on Machine Vision and Image Processing, http://www.civilica.com/Paper-ICMVIP09-ICMVIP09_086.html

PRESENTATIONS AND TALKS

- | | |
|-------------------|---|
| November 21, 2019 | Recurrent Neural Networks using Tensorflow2.0
Iran National Innovation Fund |
| June 18, 2019 | Machine Learning
Department of CE, Shahid Rajae University. |
| February 14, 2019 | Two-Day Workshop on Deep Learning (12h workshop)
Department of CE, Shahid Rajae University. |
| November 14, 2018 | Principles of Deep Neural Networks in Machine Vision
Department of CE, Islamic Azad University, South Tehran Branch |
| August 30, 2018 | One-shot learning: Face Verification & Recognition
partdp |
| February 08, 2017 | Implementing a Convolutional Networks using TensorFlow
Big Data Workgroup, Department of CE, Sharif University of Technology. |

CERTIFICATES

Dec 2018	Deep Learning Specialization by deeplearning.ai (Coursera)
Jul 2017	Deep Learning in Python (DataCamp)
April 2017	Deep Learning with TensorFlow (IBM Cognitive Class)
November 2016	Machine Learning (Verified Certificate from Stanford University)
November 2015	Mini-Workshop on Deep Learning (Certificate of attendance from SRTTU)

PROFESSIONAL MEMBERSHIPS

I was a member of Students Scientific Chapter of Computer Engineering Department in Shahid Rajaei University during my bachelor degree. I was also in computer Magazine group and got several citation from the university.

REFERENCES

Prof. Dr. Reza Ebrahimpour

Head of Department of Computer Engineering, Shahid Rajaei Teacher Training University, Tehran, Iran.

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And, School of Cognitive Sciences (SCS), Institute for Research in Fundamental Sciences (IPM), Niavaran, Tehran, Iran.

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Dr. Negin Daneshpour

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Head of the Artificial Intelligence Department,

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Dr Hamid Karimi-Rouzbahani

Postdoctoral Research Fellow

Department of Cognitive Science, Macquarie University

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Printed and signed recommendations:

<http://akhavanpour.ir/AcademicRecommendation.pdf>