Mansour Saffar Mehrjardi

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Education	▪ **_M.Sc. in Computer Science_** Faculty of Computing Science, University of Alberta. Edmonton, Canada. Expected graduation date**:** September, 2018 ▪ **_B.Sc. in Electrical Engineering_** School of Electrical and Computer Engineering, University of Tehran, Tehran, Iran, 2016 Total Undergraduate GPA**:** *17.21/20 (3.68/4)* Thesis**:** Classification and detection of epileptic patients using MRI images of the brain Supervisor**:** Prof. Hamid Soltanian-Zadeh
Relevant Coursework	▪ **Grad:** Deep Learning, Data Mining in Rich Data, Machine Learning, Reinforcement Learning, Probabilistic Graphical Models, Pattern Recognition ▪ **Undergrad:** Advanced Programming, Artificial Intelligence, Data Structures and Algorithms

Technical Skills	▪ Programming Languages:
	    ▪ Expert in**:** *Python (NumPy, Pandas), MATLAB*
	    ▪ Intermediate in**:** *C/C++*, *Java*
	▪ Deep learning libraries**:** *Tensorflow*
	▪ Distributed computing platforms**:** Familiar with *Hadoop*
	▪ Web design and programming**:** *HTML, CSS, JavaScript, Bootstrap, RubyOnRails*
	▪ Operating Systems**:** *Linux (Ubuntu), Windows*

Teaching Experience	▪ Introduction to Foundations of Computation (University of Alberta) Fall 2016, Winter 2017 ▪ Engineering Mathematics (University of Tehran) Spring 2015 ▪ Microprocessors (University of Tehran) Spring and Fall 2014, Spring 2015
Notable Academic Projects	▪ **_Automated Image Segmentation_** for Retinal Images of Subjects Diagnosed with Choroideremia Disorder, Machine learning course, University of Alberta, Fall 2016. ▪ Design and implementation of **_Fall Detection_** method in MATLAB. Under the supervision of Prof. Fariba Bahrami, University of Tehran, Spring 2015. ▪ Design and implementation of **_Intelligent Dumbbell,_** which is able to count number of lifts and send the data to our website. Internet Engineering course, University of Tehran, Spring 2015. ▪ Design and implementation of **_Persian Dooz Game Agent_** in Python using **_minimax algorithm with alpha-beta pruning_**. Artificial Intelligence course, Spring 2015. ▪ Design and implementation of **_Sudoku Game Solver_** in Python using **_A* search algorithm_**. Artificial Intelligence course, Spring 2015. ▪ Design and implementation of **_Color Image Segmentation_** algorithm based on **_Gaussian Mixture Model_** and **_EM algorithm_** in MATLAB. Pattern Recognition course, Fall 2014.
Volunteer Works	▪ Chief Editor of **_"Biotech"_** Journal, a journal about biomedical engineering innovations and technology, published by Student Branch of Iranian Association of Biomedical Engineers, University of Tehran, 2014-2015.
Interests	▪ Swimming, volleyball and biking. Playing video games and watching movies! ▪ Reading about AI topics to get inspirations about new ways of incorporating AI into daily life!