Ali Janalizadeh C.

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RESEARCH INTERESTS

- Reinforcement Learning
- Deep Learning
- Adversarial Learning
- Information Retrieval
- Computer Vision
- Opinion Mining

AREA OF INTEREST

- Game A.I.
- Revenue Prediction
- Dynamic Pricing
- Supply Chain Management
- Stock Prediction
- Customer Service Automation

EDUCATION

- **Amirkabir University of Technology** (Tehran Polytechnic), Tehran, Iran
  B.Sc., Computer Engineering, Information Technology
  September 2014 - February 2019
  GPA: **3.46** / 4 – **17.11** / 20 (120/140 Units)
- **Shahed High School**, Mazandaran, Iran
  Diploma in Mathematics and Physics
  September 2010 - June 2014
  GPA: High School **19.07** / 20

PROFESSIONAL EXPERIENCE

- **Miras Technologies International**, *June 2017 - Present*
  Data Scientist and Big Data R&D Engineer.
  I work in the Miras R&D lab on technologies that are scalable and are used in the big data world.

PUBLICATIONS

- **Advertisement Recognition Using Mode Voting Acoustic Fingerprint**, *September 2017*
  This research was done for developing an advertisement recognition system at Miras Technologies International(Conference Paper - ICRMV 2017).
- **MirasVoice A bilingual (English-Persian) speech corpus**, *May 2018*
  This research was done at Miras Technologies International and is yet to be published (Conference Paper - LREC 2018).
- **MirasText An Automatically Generated Text Corpus for Persian**, *May 2018*
  This research was done at Miras Technologies International and is yet to be published (Conference Paper - LREC 2018).

PAPERS IN PREPERATION

- **Investigating Language Variability on the Performance of Speaker Verification Systems**, *May 2017*
  This research was done at Miras Technologies International and has been submitted but is pending acceptance until June 2018 (Conference Paper - SPECOM 2018).
- **MirasSentiment The Largest Labeled Text Corpus for Sentiment Analysis**, *N/A*
  This research was done at Miras Technologies International and has not yet been submitted to a journal (Journal Paper).

TECHNICAL SKILLS

- **Programming Languages:**
  Expert in: Java, C/C++, Python,
  Familiar with: Scala, MATLAB, R
- **Frameworks and Tools:**
  Expert in: Tensorflow, Keras, Scipy, OpenCV, Git
  Familiar with: Akka, Docker, OpenGL, Theano, CUDA .
- **Database Systems:**
  Expert in: Elasticsearch, MySQL
  Familiar with: MongoDB.
- **Typesetting:**
  LaTeX, Microsoft Word.
- **Operating System:**
  Windows, Linux (Ubuntu and Debian).
- **Web Development:**
  HTML5, CSS, Java Script, jQuery, XML.
- **Other:**
  Microsoft Visio, Microsoft Excel, Microsoft Powerpoint, UML, Adobe Photoshop, Gimp.

TEACHING EXPERIENCES

- **Teaching Assistant** , **Fundamentals of Data Mining**, *Spring 2017*
  Under supervision of Prof. Nazerfard
  Holding classes + Design and grading assignments and exams + Revising Syllabus (approximately 50 Students)
- **Teaching Assistant** , **Advanced Programming**, *Spring 2017*
  Under supervision of Prof. Noorhosseini
  Design and grading assignments and exams + Revising Syllabus (116 Students)
- **Grader** , **Technical English**, *Spring 2017*
  Under supervision of Prof. Momtazi
  Grading assignments and exams (approx. 30 Students)
- **Teaching Assistant** , **System Analysis and Design**, *Fall 2016*
  Under supervision of Mr. Pourvatan
  Team coordinator + Holding classes + Design and grading assignments and projects (approx. 50 Students)

- **Teaching Assistant**, **Data Structures**, *Spring 2016*
  Under supervision of Prof. Dehghan Takht Fooladi
  Design and grading assignments (approximately 120 Students per semester)
- **Teaching Assistant** , **Principles of Programming**, *Fall 2015*
  Under supervision of Dr. Shiry
  Team coordinator + Holding classes + Design and grading assignments (approx. 50 Students)

SPECIALIZED COURSEWORK & CERTIFICATIONS

- Algorithms: Design and Analysis, Part 1
- Algorithms: Design and Analysis, Part 2
- Machine Learning
- Machine Learning Foundations: A Case Study Approach
- Machine Learning: Regression
- Neural Networks for Machine Learning
- Deep Learning Prerequisites: Linear Regression in Python
- Deep Learning Prerequisites: Logistic Regression in Python
- Data Science: Supervised Machine Learning in Python
- Bayesian Machine Learning in Python: A/B Testing
- Data Science: Deep Learning in Python
- Data Science: Practical Deep Learning in Theano + TensorFlow
- Ensemble Machine Learning in Python: Random Forest, AdaBoost
- Deep Learning: Convolutional Neural Networks in Python
- Easy Natural Language Processing (NLP) in Python
- Cluster Analysis and Unsupervised Machine Learning in Python
- Unsupervised Machine Learning: Hidden Markov Models in Python
- Unsupervised Deep Learning in Python
- Deep Learning: Recurrent Neural Networks in Python
- Natural Language Processing with Deep Learning in Python
- Deep Learning: GANs and Variational Autoencoders
- Artificial Intelligence: Reinforcement Learning in Python
- Advanced AI: Deep Reinforcement Learning in Python
- Deep Learning: Advanced Computer Vision
- Zero to Deep Learning with Python and Keras
- Fundamentals of Digital Image and Video Processing
- Robotics: Computational Motion Planning
- Web Scraping and Crawling with Python: Beautiful Soup, Requests & Selenium
- Scrapy: Powerful Web Scraping & Crawling with Python
- Stairway to Scala Applied, Part 1
- Docker Mastery: The Complete Toolset From a Docker Captain
- Grammar and Punctuation
- Programming for Everybody (Getting Started with Python)
- Object Oriented Programming in Java

REFERENCES Available on request