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: **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.

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**, *February 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**, *February 2018*
  This research was done at Miras Technologies International and is yet to be published (Conference Paper - LREC 2018).

TECHNICAL SKILLS

- **Programming Languages:**
  Expert in: Java, C/C++, Python,
  Familiar with: Scala, MATLAB, R

- **Frameworks and Tools:**
  Expert in: Tensorflow, Keras, Scipy, OpenCV
  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
- 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

- **Mehdi Dehghan TakhtFooladi, Professor**
  Computer Engineering and IT Department, Amirkabir University of Technology
  Email: `dehghan@aut.ac.ir`

- **Saeed Shiry Ghidary, Assistant Professor**
  Computer Engineering and IT Department, Amirkabir University of Technology
  Email: `shiry@aut.ac.ir`

- **Seyed Majid Noorhosseini, Assistant Professor**
  Computer Engineering and IT Department, Amirkabir University of Technology
  Email: `majidnh@aut.ac.ir`

- **Maryam Amir Haeri, Assistant Professor**
  Computer Engineering and IT Department, Amirkabir University of Technology
  Email: `haeri@aut.ac.ir`

- **Ehsan Nazerfard, Assistant Professor**
  Computer Engineering and IT Department, Amirkabir University of Technology
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- **Bahman Pourvatan, Instructor**
  Computer Engineering and IT Department, Amirkabir University of Technology
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  Miras Technologies International
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