

Ali Janalizadeh Choobbasti

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RESEARCH INTERESTS

- Applied Reinforcement Learning
- Applied Adversarial Learning
- Neural Machine Translation
- Online Learning
- Meta Learning
- Representation Learning

EDUCATION

- **Amirkabir University of Technology (Tehran Polytechnics)** Sep 2014 – Jan 2019
(**Ranked 80** globally by subject of Engineering)
 - B.Sc. in **Computer Engineering - Information Technology**
 - (i) Cumulative GPA (via 131 passed units): 17.17/20 (top 15% of class where top GPA is 18.46)
 - (ii) **Last 4 semesters' GPA: 17.77/20**

RESEARCH EXPERIENCE

- **Remote Research Assistantship** in collaboration with the **Centre for Vision, Speech and Signal Processing (CVSSP), University of Surrey**
Under supervision of Dr. Saeid Safavi and Dr. Wenwu Wang Sep 2017 – Present
- **Remote Research Assistantship** in collaboration with the **NLP group at the University of Copenhagen**
Alongside Ana Valeria Gonzalez, and under supervision of Dr. Meriem Beloucif and Prof. Anders Søgaard Jul 2018 – Present
- **Part-time Data Scientist and Big Data R&D Engineer** at **Miras Technologies International** Jun 2017 – Sep 2018
 - Researched, developed and presented the proof of concept for Miras Technologies **dynamic pricing** solution. Solution white paper available [here](#).
 - **Video advertisement recognition** – developed a video fingerprinting module.
 - **Speaker verification** – developed a speaker verification module.
 - **Document sentiment analysis** – developed multiple deep learning models (e.g., convolution based, LSTM based, and combinations of the two).
 - **Document deduplication** – Implemented a document fingerprinting module with a special hash function.
 - **Document topic extraction** – Implemented an LDA module for topic extraction.
 - Wrote multiple **web-scrapers** for data gathering purposes

PUBLICATIONS

- **Predicting the Perceived Level of Reverberation using Features from Nonlinear Auditory Model**, Saeid Safavi, **Ali Janalizadeh Choobbasti**, Wenwu Wang, Mark Plumbley, George Fazekas, The 23rd conference of the Open Innovations Association FRUCT (2018) Oct 2018
- **JSpeech: A Multi-lingual Conversational Speech Corpus**, **Ali Janalizadeh Choobbasti**, Mohammad Erfan Gholamian, Amir Vaheb, Saeid Safavi, **Spoken Language Technologies** (SLT 2018) Sep 2018
- **Investigating Language Variability on the Performance of Speaker Verification Systems**, Amir Vaheb, **Ali Janalizadeh Choobbasti**, S. H. E. Mortazavi Najafabadi, Saeid Safavi, **International Conference on Speech and Computer (SPECOM 2018)** Jul 2018
- **MirasText An Automatically Generated Text Corpus for Persian**, Behnam Sabeti, Hossein Abedi Firouzjaee, **Ali Janalizadeh Choobbasti**, S. H. E. Mortazavi Najafabadi, Amir Vaheb, **Proceedings of the Eleventh International Conference on Language Resources and Evaluation (LREC 2018)** May 2018
- **MirasVoice A bilingual (English-Persian) speech corpus**, Amir Vaheb, **Ali Janalizadeh Choobbasti**, S. H. E. Mortazavi Najafabadi, Saeid Safavi, Behnam Sabeti, **Proceedings of the Eleventh International Conference on Language Resources and Evaluation (LREC 2018)** May 2018

	<ul style="list-style-type: none"> • Advertisement Recognition Using Mode Voting Acoustic Fingerprint, Reza Fahmi, Hosein Abedi Firouzjaee, Ali Janalizadeh Choobbasti, S. H. E. Mortazavi Najafabadi, Saeid Safavi, International Conference on Robotics and Machine Vision (ICRMV 2017), vol. 10613, p. 106130D. International Society for Optics and Photonics Dec 2017
PAPERS IN PREPERATION	<ul style="list-style-type: none"> • MirasOpinion: The Largest Labeled Text Corpus for Sentiment Analysis, Behnam Sabeti, Ali Janalizadeh Choobbasti, S. H. E. Mortazavi Najafabadi. Aug 2018 – Present • Untitled, Ali Janalizadeh Choobbasti, Mohammad Erfan Gholamian, Meriem Beloucif, Ana Valeria Gonzalez, Anders Søgaaard. Jun 2018 – Present
HONORS & AWARDS	<ul style="list-style-type: none"> • Best Paper and Presentation Award, International Conference on Robotics and Machine Vision (ICRMV). 2017 • First place, in predicting the national election of Iran using public tweets in Farsi. 2017 • Finalist in stock market prediction challenge, Problem.ir. 2017 • Ranked 29th amongst the 200 teams participating in the task of revenue prediction, Data Mining Cup (DMC). 2017 • Ranked 340th among near 250,000 participants in the National Entrance Exam among all Iranian Students in Math. & Physics. 2014 • Ranked 46th among near 127,000 participants in the National Entrance Exam among all Iranian Students in Foreign languages (English). 2014
TEACHING ASSISTANTSHIPS	<ul style="list-style-type: none"> – Fundamentals of Data Mining Dr. Ehsan Nazerfard Feb 2017 – Jul 2017 – Advanced Computer Programming Dr. Seyed Majid Noorhosseini Feb 2017 – Jul 2017 – Computer Architecture Dr. Saeid Shiri Ghidary Feb 2017 – Jul 2017 – Technical English Dr. Saeedeh Montazi Feb 2017 – Jul 2017 – System Analysis and Design Mr. Bahman Pourvatan Feb 2016 – Jul 2016 – Principals of Programming Dr. Saeid Shiri Ghidary Feb 2016 – Jul 2016 – Data Structures & Algorithms Dr. Mehdi Dehghan Takht Fooladi Feb 2016 – Jul 2016 – Advanced Computer Programming Mr. Bahman Pourvatan Feb 2016 – Jul 2016 – Principals of Programming Mr. Bahman Pourvatan Feb 2015 – Jul 2015
TECHNICAL SKILLS	<ul style="list-style-type: none"> • Programming Languages: Python (Proficient), Java (Expert), C++ (Proficient), Scala (Familiar), MATLAB (Familiar) • Frameworks and Tools: Tensorflow, PyTorch, Numpy, Pandas, Theano, Keras, Scrapy, NLTK, Scipy, OpenCV, Akka, Docker • Database Systems: Elasticsearch, MySQL
REFERENCES	<div> Dr. Saeid Safavi Research Fellow Centre for Vision, Speech, and Signal Processing University of Surrey ✉ s.safavi@surrey.ac.uk </div> <div> Dr. Seyed Hani Elamahdi Mortazavi Najafabadi Director of Research and commercialization Miras Technologies ✉ hani@miras-tech.com </div> <div> Dr. Meriem Beloucif Postdoctoral researcher Natural Language Processing Group Department of Computer Science University of Copenhagen ✉ mebe@di.ku.dk </div> <div> Dr. Saeed Shiry Ghidary Assistant Professor Department of Mathematics and Computer Science Amirkabir University of Technology ✉ shiry@aut.ac.ir </div>