Ali Janalizadeh Choobbasti

ali.janalizadeh@outlook.com https://ajanaliz.github.io/

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
    - Cumulative GPA (via 131 passed units): 17.17/20 (top 15% of class where top GPA is 18.46)
    - **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

- **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

- **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 Søgaard.
  Jun 2018 – Present

HONORS & AWARDS

- **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 **29**th amongst the **200** teams participating in the task of revenue prediction, Data Mining Cup (DMC).   2017
- Ranked **340**th among near **250,000** participants in the National Entrance Exam among all Iranian Students in Math. & Physics.   2014
- Ranked **46**th among near **127,000** participants in the National Entrance Exam among all Iranian Students in Foreign languages (English).   2014

TEACHING ASSISTANTSHIPS

- **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 Momtazi   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

- **Programming Languages:** Python (Proficient), Java (Expert), C++ (Proficient), Scala (Familiar), MATLAB (Familiar)
- **Frameworks and Tools:** Tensorflow, Numpy, Pandas, Theano, Keras, Scrapy, NLTK, Scipy, OpenCV, Akka, Docker
- **Database Systems:** Elasticsearch, MySQL

REFERENCES

Dr. **Saeid Safavi**
Research Fellow
Centre for Vision, Speech, and Signal Processing
University of Surrey
✉ s.safavi@surrey.ac.uk

Dr. **Meriem Beloucif**
Postdoctoral researcher
Natural Language Processing Group
Department of Computer Science
University of Copenhagen
✉ mebe@di.ku.dk

Dr. **Seyed Hani Elamahdi Mortazavi Najafabadi**
Director of Research and commercialization
Miras Technologies
✉ hani@miras-tech.com

Dr. **Saeed Shiry Ghidary**
Assistant Professor
Department of Mathematics and Computer Science
Amirkabir University of Technology
✉ shiry@aut.ac.ir