

# 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
  - Cumulative GPA (via 131 passed units): 17.17/20 (top 15% of class where top GPA is 18.47)
  - 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. Details cannot be disclosed due to company NDA.
  - **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, **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"> <li>• <b>Advertisement Recognition Using Mode Voting Acoustic Fingerprint</b>, Reza Fahmi, Hosein Abedi Firouzjaee, <b>Ali Janalizadeh Choobbasti</b>, S. H. E. Mortazavi Najafabadi, Saeid Safavi, <b>International Conference on Robotics and Machine Vision (ICRMV 2017)</b>, vol. 10613, p. 106130D. International Society for Optics and Photonics, Dec 2017</li> </ul>
<b>PAPERS IN PREPERATION</b>	<ul style="list-style-type: none"> <li>• <b>MirasOpinion: The Largest Labeled Text Corpus for Sentiment Analysis</b>, Behnam Sabeti, <b>Ali Janalizadeh Choobbasti</b>, S. H. E. Mortazavi Najafabadi. Aug 2018 – Present</li> <li>• <b>Untitled</b>, <b>Ali Janalizadeh Choobbasti</b>, Mohammad Erfan Gholamian, Meriem Beloucif, Ana Valeria Gonzalez, Anders Søgaaard. Jun 2018 – Present</li> </ul>
<b>HONORS &amp; AWARDS</b>	<ul style="list-style-type: none"> <li>• <b>Best Paper and Presentation Award</b>, International Conference on Robotics and Machine Vision (ICRMV). 2017</li> <li>• <b>First place</b>, in predicting the national election of Iran using public tweets in Farsi. 2017</li> <li>• <b>Finalist</b> in <b>stock market prediction challenge</b>, Problem.ir. 2017</li> <li>• Ranked <b>29th</b> amongst the <b>200</b> teams participating in the task of <b>revenue prediction</b>, Data Mining Cup (DMC). 2017</li> <li>• Ranked <b>340th</b> among near <b>250,000</b> participants in the National Entrance Exam among all Iranian Students in Math. &amp; Physics. 2014</li> <li>• Ranked <b>46th</b> among near <b>127,000</b> participants in the National Entrance Exam among all Iranian Students in Foreign languages (English). 2014</li> </ul>
<b>TEACHING ASSISTANTSHIPS</b>	<ul style="list-style-type: none"> <li>– <b>Fundamentals of Data Mining</b> Dr. Ehsan Nazerfard Feb 2017 – Jul 2017</li> <li>– <b>Advanced Computer Programming</b> Dr. Seyed Majid Noorhosseini Feb 2017 – Jul 2017</li> <li>– <b>Computer Architecture</b> Dr. Saeid Shiri Ghidary Feb 2017 – Jul 2017</li> <li>– <b>Technical English</b> Dr. Saeedeh Momtazi Feb 2017 – Jul 2017</li> <li>– <b>System Analysis and Design</b> Mr. Bahman Pourvatan Feb 2016 – Jul 2016</li> <li>– <b>Principals of Programming</b> Dr. Saeid Shiri Ghidary Feb 2016 – Jul 2016</li> <li>– <b>Data Structures &amp; Algorithms</b> Dr. Mehdi Dehghan Takht Fooladi Feb 2016 – Jul 2016</li> <li>– <b>Advanced Computer Programming</b> Mr. Bahman Pourvatan Feb 2016 – Jul 2016</li> <li>– <b>Principals of Programming</b> Mr. Bahman Pourvatan Feb 2015 – Jul 2015</li> </ul>
<b>TECHNICAL SKILLS</b>	<ul style="list-style-type: none"> <li>• <b>Programming Languages:</b> Python (Proficient), Java (Expert), C++ (Proficient), Scala (Familiar), MATLAB (Familiar)</li> <li>• <b>Frameworks and Tools:</b> Tensorflow, Numpy, Pandas, Theano, Keras, Scrapy, NLTK, Scipy, OpenCV, Akka, Docker</li> <li>• <b>Database Systems:</b> Elasticsearch, MySQL</li> </ul>
<b>REFERENCES</b>	Available Upon Request.