



# Paria Jamshid Lou

PhD Candidate  
Macquarie University

9 April 1989

Google Scholar

Linkedin

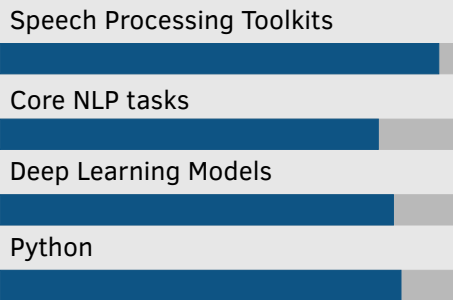
Github

Webpage

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BD Building, 4 Research Park Drive,  
Dept. of Computing, Macquarie  
University, NSW 2109, Australia.

## Skills



(\*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

## Languages



(\*)[The skill scale is from 0 (Basics) to 6 (Native).]

## Summary

I am a second-year PhD candidate at Macquarie University. I currently work on deep neural models of disfluency detection, particularly generating fluent transcripts in ASR systems. I am passionate about the real-life applications of NLP and improving human-computer interaction in smart devices (e.g. processing disfluent speech in ASR systems or home assistant devices). I am driven by a love of learning and helping others to live a better life. My passion has led me to push the state-of-the-art in NLP and disfluency detection models in particular. My sense of responsibility and commitment, as well as my passion for learning have brought me diverse successes and I look forward to continuing in that vein in future path.

## Research Interests

NLP, Deep Learning, Disfluency Detection, ASR Systems

## Education

- since 2017

Ph.D. candidate in Computer Science  
Dept. of Computing, Macquarie University  
Supervisors: Prof. Mark Johnson, A/Prof. Mark Dras, Dr. Sarvnaz Karimi  
Thesis Title: Disfluency Detection using Deep Neural Networks
- 2016-2017

Master of Research in Computer Science  
Dept. of Computing, Macquarie University  
Supervisors: Prof. Mark Johnson and A/Prof. Mark Dras  
Thesis Title: Disfluency Detection using a Noisy Channel Model and Deep Neural Language Model
- 2011-2014

Master of Science in NLP  
Dept. of Language Sciences, Sharif University of Technology  
Supervisors: A/Prof. Moharram Eslami and A/Prof. Mohammad Bahrani  
Thesis Title: Automatic Labeling of Prosodic Events in Persian Unmarked Speech and Text Using Acoustic and Syntactic Model

## Publications

- 2019

Jamshid Lou, P., Wang, Y., and Johnson, M. (2019). Neural constituency parsing of speech transcripts. In To appear in NAACL, Minneapolis, US. [Link]
- 2018

Jamshid Lou, P., Anderson, P., and Johnson, M. (2018). Disfluency detection using auto-correlational neural networks. In *Proceedings of EMNLP*, pages 4610-4619, Brussels, Belgium. [Link]
- 2018

Mohamad Nezami, O., Jamshid Lou, P., and Karami, M. (2018). ShEMO: a large-scale validated database for Persian speech emotion detection. *Language Resources and Evaluation* 53(1):1-16. [Link]
- 2017

Jamshid Lou, P. and Johnson, M. (2017). Disfluency detection using a noisy channel model and a deep neural language model. In *Proceedings of ACL*, pages 547-553, Vancouver, Canada. [Link]
- 2013

Mohamad Nezami, O., Bahrapour, A., and Jamshid Lou, P. (2013). Dynamic diversity enhancement in particle swarm optimization (DDEPSO) algorithm for preventing from premature convergence. *Procedia Computer Science* 24: 54-65. [Link]



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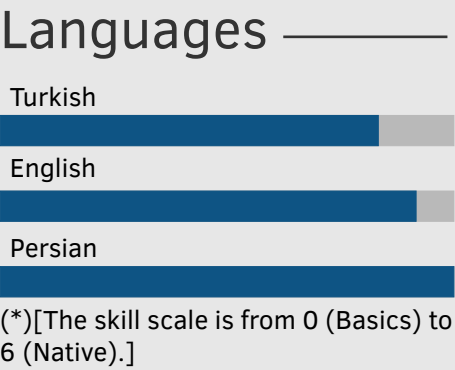
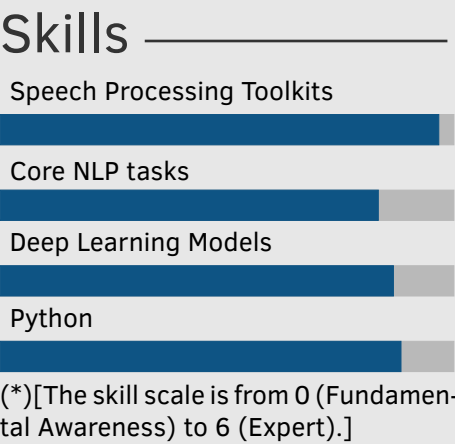
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Awards	
2019	Macquarie University Postgraduate Research Fund (PGRF)
2018	Data61 CSIRO Top-up Scholarship
2018	Third place in Computing Industry Poster Competition at Macquarie University
2017	International Macquarie University Research Training Program (iMQRTP) Scholarship for PhD studies
2017	Awarded for Excellent Research Progress
2017	Graduated with High Distinction in MRes program
2016	International Research Training Pathway (iRTP) Scholarship for MRes studies
2014	Graduated as the 2nd top student in NLP from Sharif University of Technology
2013	Awarded as an outstanding student (2 years in row) at Sharif University of Technology

Experience	
2019	External Reviewer for ECML Conference
2015-2016	Research Assistant in Azad University, Tehran, Iran
2014-2016	Lecturer at Azad University, Tehran, Iran
2013-2014	Intern in Asr Gooyesh Pardaz, Tehran, Iran
2012-2013	Teaching Assistant at Sharif University of Technology, Tehran, Iran

Reference	
Main Supervisor	Prof. Mark Johnson Dept. of Computing, Macquarie University Sydney, Australia Homepage +61 2 9850 9525 +61 2 9850 9551 mark.johnson@mq.edu.au
Associate Supervisor	A/Prof. Mark Dras Dept. of Computing, Macquarie University Sydney, Australia Homepage mark.johnson@mq.edu.au
External Supervisor	Dr. Sarvnaz Karimi Senior Research Scientist at Data61 Sydney, Australia Homepage sarvnaz.karimi@data61.csiro.au