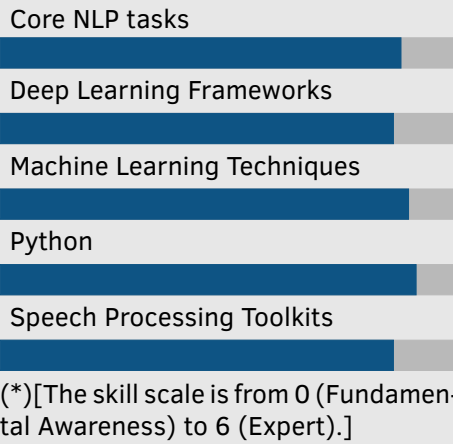# Paria Jamshid Lou
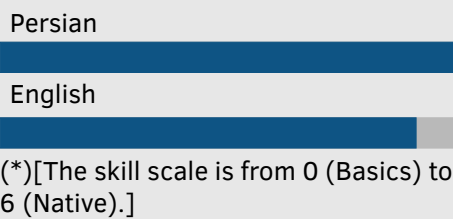
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🏠 BD Building, 4 Research Park Drive, Dept. of Computing, Macquarie University, NSW 2109, Australia.

Skills

Core NLP tasks

Deep Learning Frameworks

Machine Learning Techniques

Python

Speech Processing Toolkits

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

Languages

Persian

English

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

Summary

I am a 3rd-year full-time PhD candidate at Macquarie University. I am conducting research on disfluency detection models, particularly generating fluent transcripts in speech-to-text (STT) 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 STT 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.

Education

2017-2020 PhD Candidate in Computer Science
Dept. of Computing, Macquarie University
Supervisors: Prof. Mark Johnson and A/Prof. Mark Dras
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
Grade: 86/100 (high distinction)

2011-2014 Master of Science in Computational Linguistics
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
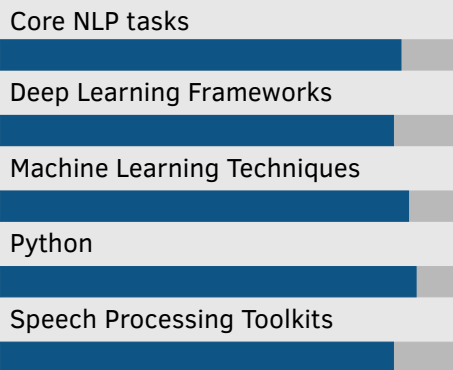GPA: 18.81/20 (highest-ranking)

Publications

2020 Jamshid Lou, P. and Johnson, M. (2020). Improving disfluency detection by self-training a self-attentive model. *Submitted to ACL*.

2019 Jamshid Lou, P., Wang, Y., and Johnson, M. (2019). Neural constituency parsing of speech transcripts. In *Proceedings of NAACL*, pages 2756-2765, 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., Bahrampour, 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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Awards and Experience

2019	Won the first place in Intelligence-led Policing Hackathon (Algorithmic Challenge), Macquarie University
2019	Awarded for the best demo in Intelligence-led Policing Hackathon, Macquarie University
2019	Awarded Macquarie University Postgraduate Research Fund (PGRF)
2019	Nominated by Macquarie University for Google PhD Fellowship
2018	Awarded Data61 CSIRO Top-up Scholarship
2018	Awarded for the best poster in Computing Industry Event at Macquarie University
2017	Awarded International Macquarie University Research Training Program (iMQRTP) Scholarship for PhD studies
2017	Awarded by the head of Computing Dept. for Excellent Research Progress, Macquarie University
2017	Graduated with high distinction in MRes program, Macquarie University
2016	Awarded International Research Training Pathway (iRTP) Scholarship for MRes studies, Macquarie University
2014	Graduated as the 2nd highest-ranking student in Computational Linguistics, Sharif University of Technology
2011	Graduated as the highest-ranking student in English Language Translation, Imam Khomeini International University

Reference

Available upon request!