

YUFEI WANG

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ABOUT ME

Yufei Wang is currently a second year Master by Research student in the Department of Computing, Macquarie University (MQ), Sydney. Prior to that, he was a research assistant in University of New South Wales, Sydney. He obtained his joint 2+2 Bachelor degree from University of Queensland, Australia and Sun Yat-sen University, China in 2016.

He has strong programming skills, including Python, Java and C/C++. He is interested in full-stack web development using Flask, MySQL and HTML+CSS+JS. He equips with reasonable develop experience and tools, including docker and version control.

His research area is Natural Language Processing and Computational Linguistic. He has more than 2 years experience using deep neural networks to solve NLP tasks, including Image Captioning, Semantic Role Labelling and Parsing. He is also interested in developing NLP applications for real data, such as social media data. He has published three top-tier conference papers in ACL, NAACL and ICCV.

EDUCATION

Macquarie University, Australia

Oct. 2018 - Now

Research Assistant & MRes student

Thesis title: Captioning Images Containing Novel Objects (**Under Assessment**)

Supervisor: Prof. Mark Johnson

University of New South Wales, Australia

Nov. 2016 - Sep. 2018

Research Assistant, Parse & Semantic Role Labelling

Supervisor: Prof. Wei Wang

University of Queensland, Australia

Feb. 2014 - Jun. 2016

BEng. First-Class Honours in Software Engineering

GPA 6.63 / 7 (94 %)

Thesis title: Profiling University Communities On Social Media (7 out of 7)

Supervisor: Prof. Xue Li

Sun Yat-sen University, China

Sep. 2011 - Jul. 2013

BEng. in Software Engineering

Major GPA 90.5 %

Overall GPA 89 %

Participate 2+2 joint program with UQ.

PUBLICATION

- **Yufei Wang**, Mark Johnson, Stephen Wan, Yifang Sun, and Wei Wang. How to best use syntax in semantic role labelling. In *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*, pages 5338–5343, Florence, Italy, July 2019. Association for Computational Linguistics. URL: <https://www.aclweb.org/anthology/P19-1529>
- Harsh Agrawal, Karan Desai, **Yufei Wang**, Xinlei Chen, Rishabh Jain, Mark Johnson, Dhruv Batra, Devi Parikh, Stefan Lee, and Peter Anderson. nocaps: novel object captioning at scale. In *The IEEE International Conference on Computer Vision (ICCV)*, pages 8948–8957, October 2019. URL: http://openaccess.thecvf.com/content_ICCV_2019/html/Agrawal_nocaps_novel_object_captioning_at_scale_ICCV_2019_paper.html

- Paria Jamshid Lou, **Yufei Wang**, and Mark Johnson. Neural constituency parsing of speech transcripts. In *Proceedings of the 2019 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, Volume 1 (Long and Short Papers)*, pages 2756–2765, Minneapolis, Minnesota, June 2019. Association for Computational Linguistics. URL: <https://www.aclweb.org/anthology/N19-1282>
- Yifang Sun, Shifeng Liu, **Yufei Wang**, and Wei Wang. Extracting definitions and hypernyms with a two-phase framework. In Guoliang Li, Jun Yang, Joao Gama, Juggapong Natwichai, and Yongxin Tong, editors, *Database Systems for Advanced Applications*, pages 415–419, Cham, 2019. Springer International Publishing. URL: https://link.springer.com/chapter/10.1007/978-3-030-18590-9_57
- Sunghwan Mac Kim, Yufei Wang, Stephen Wan, and Cécile Paris. Data61-CSIRO systems at the CLPsych 2016 shared task. In *Proceedings of the Third Workshop on Computational Linguistics and Clinical Psychology*, pages 128–132, San Diego, CA, USA, June 2016. Association for Computational Linguistics. URL: <https://www.aclweb.org/anthology/W16-0313>. (**Ranked 1/15**)
- Yufei Wang, Stephen Wan, and Cécile Paris. The role of features and context on suicide ideation detection. In *Proceedings of the Australasian Language Technology Association Workshop 2016*, pages 94–102, Melbourne, Australia, December 2016. URL: <https://www.aclweb.org/anthology/U16-1010> **Best Student Presentation**

SKILL

Pytorch, Tensorflow, NumPy, Sci-Learn
 Python, Java, C/C++
 Full Stack Web developer, (Flask, HTML+CSS+JS)

AWARDS

MQ Faculty funded Scholarships	2018.12
ALTA ¹ 2016, Best Student Presentation Award	2016.12
CSIRO Undergraduate Vacation Scholarships ²	2015.11
Dean’s Commendation for Academic Excellence, EAIT, UQ ³	Semester 1 & 2 2015
UQ Summer Research Scholarship ⁴ , University of Queensland	2014

REFERENCES

Prof. Mark Johnson, MQ, mark.johnson@mq.edu.au
 Prof. Wei Wang, UNSW, CSE, weiw@cse.unsw.edu.au
 Dr. Stephen Wan, CSIRO Data61, stephen.wan@csiro.au
 Prof. Xue Li, ITEE, University Of Queensland, xueli@itee.uq.edu.au

¹Annual Workshop of the Australasian Language Technology Association, <https://www.alta.asn.au>

²<https://www.csiro.au/en/Careers/Studentships/Vacation-scholarships>

³<https://my.uq.edu.au/information-and-services/manage-my-program/academic-progress-and-final-results/deans-commendation-academic-excellence>

⁴<https://science.uq.edu.au/student-support/scholarships/undergraduate-scholarships/uq-summer-research-program>