

Lyndon White

Curriculum Vitae

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Education

- 2015– **PhD Candidature**, *The University of Western Australia*.
- 2009–2014 **Bachelor of Engineering, with Honours**, *The University of Western Australia*, (Electrical and Electronic).
- 2009–2014 **Bachelor of Computer and Mathematical Sciences**, *The University of Western Australia*, (Pure Mathematics, Computation).

Work Experience

- 2014– **Research and Teaching Assistant**, *The University of Western Australia*, (Casual).
- 2011 **Agile Platforms Developer**, *Bankwest*, (8 month full-time), Australian Computing Society Workplace Integrated Learning Scholarship.

Awards

- Best Student Paper Award
Generating Bags of Words from the Sums of their Word Embeddings, Lyndon White, Roberto Togneri, Wei Liu, and Mohammed Bennamoun. (Conference on Intelligent Text Processing and Computational Linguistics)

Organisations

- 2016– **Administrator of the Board**, *Western Australian Science Fiction Foundation*.
- 2015–∞ **Honorary Life Member**, *Unigames*, (UWA Student Society).

Open Source

- Creator of *DataDeps.jl*, *CorpusLoaders.jl*, and numerous other packages relating to replicatable natural language and data science research in julia.
- Maintainer of *TensorFlow.jl*, the julia binding for Google's very popular machine learning framework.
- Contributor to a large number of open source packages in the julia ecosystem and beyond. Full list of open source contributions can be found at <https://github.com/oxinabox>

Publications

- [1] Lyndon White, Roberto Togneri, Wei Liu, and Mohammed Bennamoun. *Neural Representations of Natural Language*. Studies in Computational Intelligence. Springer Singapore, 2018.
- [2] Lyndon White, Roberto Togneri, Wei Liu, and Mohammed Bennamoun. Novel perspective: Identifying point of view characters. In *Proceedings of ACL 2018, System Demonstrations*. Association for Computational Linguistics, 2018.
- [3] Naeha Sharif, Lyndon White, , Mohammed Bennamoun, and Syed Afaq Ali Shah. Learning-based composite metrics for improved caption evaluation. In *Proceedings of the ACL Student Research Workshop*. Association for Computational Linguistics, 2018.
- [4] Lyndon White, Roberto Togneri, Wei Liu, and Mohammed Bennamoun. Finding word sense embeddings of known meaning. *19th International Conference on Intelligent Text Processing and Computational Linguistics (CICLing)*, 2018.
- [5] Lyndon White, Roberto Togneri, Wei Liu, and Mohammed Bennamoun. Modelling sentence generation from sum of word embedding vectors as a mixed integer programming problem. In *IEEE International Conference on Data Mining: High Dimensional Data Mining Workshop (ICDM: HDM)*, 2016.
- [6] Lyndon White, Roberto Togneri, Wei Liu, and Mohammed Bennamoun. Generating bags of words from the sums of their word embeddings. In *17th International Conference on Intelligent Text Processing and Computational Linguistics (CICLing)*, 2016.
- [7] Lyndon White, Roberto Togneri, Wei Liu, and Mohammed Bennamoun. How well sentence embeddings capture meaning. In *Proceedings of the 20th Australasian Document Computing Symposium*, ADCS '15, pages 9:1–9:8. ACM, 2015.
- [8] Lyndon White, Lyndon While, Ben Deeks, and Farid Boussaid. Transistor sizing using particle swarm optimisation. In *IEEE Symposium Series on Computational Intelligence*, pages 259–266, Dec 2015.