

# Frames White

## Curriculum Vitae

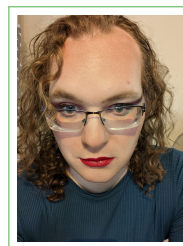
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### Education

- 2015–2018\* **PhD Candidature**, *The University of Western Australia*  
\*Anticipated thesis submission in September 2018
- 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)

### Employment

- 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

- 2022 Julia Community Prize “For her many technical and community contributions across the Julia ecosystem.”
- 2021 Best Poster Award AbstractDifferentiation.jl: Backend-Agnostic Differentiable Programming in Julia, Frank Schäfer et al. (NeurIPS Differentiable Programming Workshop)
- 2020 DSTG Best Contribution to Science Award WEmbSim: A Simple yet Effective Metric for Image Captioning, Naeha Sharif et al. (International Conference on Digital Image Computing: Techniques and Applications)
- 2016 Best Student Paper Award Generating Bags of Words from the Sums of their Word Embeddings, White et al (Conference on Intelligent Text Processing and Computational Linguistics)

### Organisations

- 2016 April – 2019 April **Administrator of the Board**, *Western Australian Science Fiction Foundation*
- 2015 March–∞ **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

Note: I used **Lyndon White** as a pen-name up until February 2022. It thus appears as such in this section. I no longer use that name anywhere else.

- [1] Lyndon White, Roberto Togneri, Wei Liu, and Mohammed Bennamoun. *Neural Representations of Natural Language*. Studies in Computational Intelligence (Book). Springer Singapore, 2018.
- [2] Naeha Sharif, Lyndon White, Mohammed Bennamoun, and Syed Afaq Ali Shah. Nneval: Neural network based evaluation metric. In *Proceedings of the 15th European Conference on Computer Vision*. Springer Lecture Notes in Computer Science, 2018.
- [3] 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.
- [4] 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.
- [5] 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.
- [6] 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.
- [7] 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.
- [8] 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.
- [9] 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.