

Kemal Kurniawan

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Qualifications

- 2023 PhD, Natural Language Processing, University of Melbourne
- 2017 MSc in Artificial Intelligence, University of Edinburgh
- 2015 BCOMPSc (id: S.Kom.), University of Indonesia
- 2014 YSEP (Young Scientist Exchange Program), Tokyo Institute of Technology

Employment

- 2023-present Research Fellow, University of Melbourne
- 2022 Applied Scientist Intern, Amazon Australia
- 2017-2019 Research Scientist, Kata.ai, Jakarta
- 2015-2016 Software Engineer, Cermati.com, Jakarta
- 2015 Software Engineer, RUMA, Jakarta
- 2013 Junior Research Assistant (Intern), National University of Singapore

Awards & recognitions

- 2025 Excellence in Engagement (Early Career), Computing and Information Systems, University of Melbourne
- 2025 Best Presentation Award, NextGen Responsible AI Symposium
- 2025 Best Paper Award, Australian Language Technology Association Workshop (ALTA)
- 2025 Finalist, Engagement Australia Awards for Excellence in Community Engagement
- 2025 Excellence in Engagement for Public Value and Social Inclusion, Faculty of Eng. and IT, UoMelbourne
- 2025 Postdoc AInet Fellowship, DAAD
- 2024 Best Paper Award, Australian Language Technology Association Workshop (ALTA)
- 2023 Outstanding Paper Award, EACL
- 2019 Melbourne Research Scholarship
- 2012 2nd Runner-Up, Gemastik 5 Programming Competition (national-level)
- 2011 4th Runner-Up, ITB Programming Contest (national-level)

Publications

I have 16 published articles and 2 preprints with 444 citations and h-index of 7 (Google Scholar). Seven out of those 16 articles are published in top 12 venues in natural language processing (Google Scholar Metrics). I am the lead author in 8 out of the 16 articles.

JOURNAL ARTICLES

Kurniawan, K., Mistica, M., Baldwin, T., & Lau, J. H. (2025). Training and Evaluating with Human Label Variation: An Empirical Study. *Computational Linguistics*. MIT Press.

SELECTED REFEREED CONFERENCE ARTICLES

Bansal, H., **Kurniawan, K.**, & Frermann, L. (2025). Robustness of Neurosymbolic Reasoners on First-Order Logic Problems. *Proceedings of the 23rd Annual Workshop of the Australasian Language Technology Association (Best Paper)*

Merx, R., Vylomova, E., & **Kurniawan, K.** (2024). Generating bilingual example sentences with large language models as lexicography assistants. *Proceedings of the 22nd Annual Workshop of the Australasian Language Technology Association. (Best Paper)*

Winata, G. I., Aji, A. F., Cahyawijaya, S., Mahendra, R., Koto, F., Romadhony, A., **Kurniawan, K.**, Moeljadi, D., Prasojo, R. E., Fung, P., Baldwin, T., Lau, J. H., Sennrich, R., & Ruder, S. (2023). NusaX: Multilingual Parallel Sentiment Dataset for 10 Indonesian Local Languages. *Proceedings of the 17th Conference of the European Chapter of the Association for Computational Linguistics*, 815–834. **(Outstanding Paper)**

Kurniawan, K., Frermann, L., Schulz, P., & Cohn, T. (2022). Unsupervised Cross-Lingual Transfer of Structured Predictors without Source Data. *Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*, 2041–2054.

Supervision

I currently co-supervise 1 PhD and 1 master students. I have co-supervised 1 master student, 2 master group projects (8 students in total), and 2 undergraduate students until completion.

Service

- 2025-present Ethics reviewer for ACL Rolling Review
- 2024-present Mentor for Australasian Language Technology Association (ALTA)
- 2021-present Reviewer for ACL Rolling Review
- 2020-present Reviewer for AISTATS, ACL, EMNLP, EACL, ALTA, SemEval, and various workshops
- 2025 Publicity chair of *SEM
- 2025 Shortlisting judge of FEIT Hackathon Festival, University of Melbourne
- 2025 Co-organiser of CIS Research Fellow Day, University of Melbourne
- 2024 Ethics reviewer for EMNLP Industry Track
- 2020-2022 System administrator in the NLP group, University of Melbourne
- 2020-2022 Reading group organiser in the NLP group, University of Melbourne
- 2020 Mentor for ML Summer School Indonesia

Talks

- 2025 *A Case Study in HLV: Developing Fair Models Utilising a Diversity of Opinions*, NextGen Responsible AI Symposium, Adelaide, Australia
- 2025 *Human Label Variation: Training, Evaluation, and its Impact on Fairness*, TU Darmstadt & LMU Munich, Germany, and UNSW, Australia
- 2025 *Developing AI Models for Justice Connect*, LawTech Interest Group, University of Melbourne, Australia
- 2025 *A Study on Training and Evaluating with Human Label Variation*, NLP Reading Group, University of Melbourne, Australia
- 2024 *Empirical Meta-Evaluation of Metrics for Evaluation against Human Label Variation*, NLP Reading Group, University of Melbourne, Australia
- 2022 *Easier Transfer Learning for Predicting Sentence Structures*, 3 Minute Thesis, CIS Doctoral Colloquium, Melbourne, Australia
- 2021 *Implementasi Teorema Matriks-Pohon dengan PyTorch*, PyCon ID, Python Indonesia, Online
- 2021 *PPT: Parsimonious Parser Transfer*, Bedah Paper, Indonesia Association for Computational Linguistics (IN-ACL), Online
- 2018 *NLP for Chatbots*, Workshop on Machine Learning and Its Application, Telkom University, Bandung, Indonesia
- 2018 *Kata.ai's Best Practice for Machine Learning*, Tech in Asia - Product Development Conference, Menara Mandiri, Jakarta, Indonesia
- 2017 *Introduction to AI and NLP*, Facebook Developer Circle Surabaya: Facebook Goes to Campus, Surabaya, Indonesia
- 2014 *Predicting Within- and Inter-community Links in Networks*, 102nd conference of The Japanese Society for Artificial Intelligence, Osaka, Japan