

External References

The following are external references for my research application in a more readable format. The same references can be found as hyperlinks in the application form each time a work is referenced.

- Philip Arthur, Graham Neubig, and Satoshi Nakamura. 2016. [Incorporating discrete translation lexicons into neural machine translation](#). In *Proceedings of the 2016 Conference on Empirical Methods in Natural Language Processing*, pages 1557–1567, Austin, Texas.
- Yonatan Belinkov, Nadir Durrani, Fahim Dalvi, Hassan Sajjad and James Glass. 2020. [On the Linguistic Representational Power of Neural Machine Translation Models](#). *Journal of Computational Linguistics*. To appear.
- Luisa Bentivogli, Arianna Bisazza, Mauro Cettolo and Marcello Federico. 2016. [Neural versus Phrase-Based Machine Translation Quality: a Case Study](#). In *Proceedings of the 2016 Conference on Empirical Methods in Natural Language Processing*, pages 257–267, Austin, Texas.
- David M. Blei, Andrew Y. Ng and Michael I. Jordan. 2003. [Latent Dirichlet allocation](#). *Journal of Machine Learning Research* 3, pages 993-1022.
- Jane Bromley, J.W. Bentz, Leon Bottou, I. Guyon, Yann Lecun, C. Moore, Eduard Sackinger and R. Shah. 1993. [Signature verification using a “SIAMESE” time delay neural network](#). *International Journal of Pattern Recognition and Artificial Intelligence*, 7(4), pages 669–688.
- Peter F. Brown, Stephen A. Della Pietra, Vincent J. Della Pietra and Robert L. Mercer. 1991. [Word-Sense Disambiguation Using Statistical Methods](#), In *Proceedings of the 29th Annual Meeting of the Association for Computational Linguistics*, pages 264-270, Berkeley, California, USA
- Alexis Conneau, Kartikay Khandelwal, Naman Goyal, Vishrav Chaudhary, Guillaume Wenzek, Francisco Guzmán, Edouard Grave, Myle Ott, Luke Zettlemoyer and Veselin Stoyanov. 2019. [Unsupervised Cross-lingual Representation Learning at Scale](#). arXiv:1911.02116
- Éric de La Clergerie, Benoît Sagot, Djamé Seddah. 2017. [The ParisNLP entry at the ConLL UD Shared Task 2017: A Tale of a #ParsingTragedy](#). In *Proceedings of the CoNLL 2017 Shared Task: Multilingual Parsing from Raw Text to Universal Dependencies*, pages 243-253, Vancouver, Canada.
- Jacob Devlin, Ming-Wei Chang, Kenton Lee, Kristina Toutanova. 2019. [BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding](#). In *Proceedings of the 2019 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*, pages 4171-4186, Minneapolis, Minnesota, USA.
- Georgiana Dinu, Prashant Mathur, Marcello Federico and Yaser Al-Onaizan. 2019. [Training Neural Machine Translation To Apply Terminology Constraints](#). In *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*, pages 3063–3068, Florence, Italy.
- Christian Federmann and Will Lewis. 2016. [Microsoft Speech Language Translation \(MSLT\) Corpus: The IWSLT 2016 release for English, French and German](#). Microsoft Research.
- Yang Feng, Shiyue Zhang, Andi Zhang, DongWang, and Andrew Abel. 2017. Memory-augmented neural machine translation. In *Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing*, pages 1390–1399, Copenhagen, Denmark.
- Markus Freitag and Yaser Al-Onaizan. 2016. [Fast Domain Adaptation for Neural Machine Translation](#). arXiv:1612.06897
- Mercedes García-Martínez, Loïc Barrault and Fethi Bougares. 2016. [Factored Neural Machine Translation Architectures](#). In *Proceedings of the International Workshop on Spoken Language Translation*, Seattle, USA.
- Jiatao Gu, Hany Hassan, Jacob Devlin and Victor O.K. Li. 2018. [Universal Neural Machine Translation for Extremely Low Resource Languages](#). In *Proceedings of the 2018 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*, pages 344-354, New Orleans, Louisiana.
- Rogers P. Hall. 1989. [Computational Approaches to Analogical Reasoning: A Comparative Analysis](#). *Artificial Intelligence* 39, pages 39-120.
- Xuanli He, Gholamreza Haffari and Mohammad Norouzi. 2018. [Sequence to Sequence Mixture Model for Diverse Machine Translation](#). In *Proceedings of the 22nd Conference on Computational Natural Language Learning*, pages 583–592, Brussels, Belgium.

- Robert R. Hoffman. 1995. [Monster Analogies](#). *AI Magazine* 16, pages 11-35.
- Pierre Isabelle, Colin Cherry and George Foster. 2017. [A Challenge Set Approach to Evaluating Machine Translation](#). In *Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing*, pages 2486-2496, Copenhagen, Denmark.
- Ganesh Jawahar, Benoît Sagot, Djamé Seddah. 2019. [What Does BERT Learn about the Structure of Language?](#). In *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*, pages 3651-3657, Florence, Italy.
- Josef Jon. 2018. [Exploring Contextual Information in Neural Machine Translation](#), PhD Thesis, Brno University of Technology.
- Melvin Johnson, Mike Schuster, Quoc V. Le, Maxim Krikun, Yonghui Wu, Zhifeng Chen, Nikhil Thorat, Fernanda Viégas, Martin Wattenberg, Greg Corrado, Macduff Hughes and Jeffrey Dean. 2017. [Google's Multilingual Neural Machine Translation System: Enabling Zero-Shot Translation](#). *Transactions of the Association for Computational Linguistics*, Volume 5.
- Karthikeyan K, Zihan Wang, Stephen Mayhew, Dan Roth. 2019. [Cross-Lingual Ability of Multilingual BERT: An Empirical Study](#). In *Proceedings of The International Conference on Learning Representations*.
- Eliyahu Kiperwasser and Miguel Ballesteros. 2018. [Scheduled Multi-Task Learning: From Syntax to Translation](#). *Transactions of the Association for Computational Linguistics*, Volume 6, pages 225–240.
- Sneha Kudugunta, Ankur Bapna, Isaac Caswell and Orhan Firat. 2019. [Investigating Multilingual NMT Representations at Scale](#). In *Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing*, pages 1565–1575, Hong Kong, China.
- Guillaume Lample and Alexis Conneau. 2019. [Cross-lingual Language Model Pretraining](#). In *Advances in Neural Information Processing Systems*.
- Anne Lacheret-Dujour, Sylvain Kahane and Paola Pietrandrea. 2019. [A prosodic and syntactic treebank for spoken French](#). *Studies in Corpus Linguistics*, 89. John Benjamins.
- Philippe Langlais and Alexandre Patry. 2007. [Translating Unknown Words by Analogical Learning](#). In *Proceedings of the 2007 Joint Conference on Empirical Methods in Natural Language Processing and Computational Natural Language Learning*, pages 877-886, Prague, Czech Republic.
- Yves LePage. 2005. [Translation of Sentences by Analogy Principle](#). In *Proceedings of the Language and Technology Conference*, pages 21-23 Poznań, Poland.
- Ivan Lerner, Nicolas Paris, Xavier Tannier. 2020. [Terminologies augmented recurrent neural network model for clinical named entity recognition](#), *Journal of Biomedical Informatics*, Volume 102.
- Pierre Lison, Jörg Tiedemann and Milen Kouylekov. 2018. [OpenSubtitles2018: Statistical Rescoring of Sentence Alignments in Large, Noisy Parallel Corpora](#). In *Proceedings of the Eleventh International Conference on Language Resources and Evaluation*, pages 1742-1748, Miyazaki, Japan.
- Yinhan Liu, Jiatao Gu, Naman Goyal, Xian Li, Sergey Edunov, Marjan Ghazvininejad, Mike Lewis and Luke Zettlemoyer. 2020. [Multilingual Denoising Pre-training for Neural Machine Translation](#). arXiv:2001.08210.
- Annie Louis and Bonnie Webber. 2014. [Structured and unstructured cache models for SMT domain adaptation](#). In *Proceedings of the 14th Conference of the European Chapter of the Association for Computational Linguistics*, pages 155–163, Gothenburg, Sweden.
- Jonathan Mallinson, Rico Sennrich and Mirella Lapata. 2017. [Paraphrasing Revisited with Neural Machine Translation](#). In *Proceedings of the 15th Conference of the European Chapter of the Association for Computational Linguistics*, pages 881–893, Valencia, Spain.
- Louis Martin, Benjamin Muller, Pedro Javier Ortiz Suárez, Yoann Dupont, Laurent Romary, Éric Villemonte de la Clergerie, Djamé Seddah, Benoît Sagot. 2019. [CamemBERT: a Tasty French Language Model](#). arXiv:1911.03894.
- Louis Martin, Benoît Sagot, Éric de la Clergerie and Antoine Bordes. 2020. [Controllable Sentence Simplification](#). In *Proceedings of the 12th Language Resources and Evaluation Conference*, Marseille, France.

- Tsuyoshi Morimoto, Noriyoshi Uratani, Toshiyuki Takezawa, Osamu Furuse, Yasuhiro Sobashima, Hitoshi Iida, Atsushi Nakamura, Yoshinori Sagisaka, Norio Higuchi, and Yasuhiro Yamazaki. 1994. [A Speech and Language Database for Speech Translation Research](#). In *Proceedings of the 3rd International Conference on Spoken Language Processing*, pages 1791–1794, Yokohama, Japan.
- Maria Nădejde, Siva Reddy, Rico Sennrich, Tomasz Dwojak, Marcin Junczys-Dowmunt, Philipp Koehn and Alexandra Birch. 2017. [Predicting Target Language CCG Supertags Improves Neural Machine Translation](#). In *Proceedings of the Second Conference on Machine Translation*, pages 68-79, Copenhagen, Denmark.
- Makoto Nagao. 1984. [A Framework of a Mechanical Translation between Japanese and English by Analogy Principle](#). In A. Elithorn and R. Barnerji, ed., *Artificial and Human Intelligence*, pages 173-180, North-Holland.
- Ramesh Nallapati, Bowen Zhou, Cicero dos Santos, Çağlar Gülçehre and Bing Xiang. 2016. [Abstractive Text Summarization using Sequence-to-sequence RNNs and Beyond](#). In *Proceedings of The 20th SIGNLL Conference on Computational Natural Language Learning*, pages 280–290, Berlin, Germany.
- Paul Neculoiu, Maarten Versteegh, Mihai Rotaru. 2016. [Learning Text Similarity with Siamese Recurrent Networks](#). In *Proceedings of the 1st Workshop on Representation Learning for NLP*, pages 148-157, Berlin, Germany.
- Maximilian Nickel and Douwe Kiela. 2017. [Poincaré Embeddings for Learning Hierarchical Representations](#). arXiv:1705.08039.
- Timothy Osborne and Sylvain Kahane. 2015. [Elements of structural syntax](#). Amsterdam, John Benjamins.
- Kishore Papineni, Salim Roukos, Todd Ward and Wei-Jing Zhu. 2002. [Bleu: a Method for Automatic Evaluation of Machine Translation](#). In *Proceedings of the 40th Annual Meeting of the Association for Computational Linguistics*, pages 311–318, Philadelphia, Pennsylvania, USA.
- Matthew Peters, Mark Neumann, Mohit Iyyer, Matt Gardner, Christopher Clark, Kenton Lee and Luke Zettlemoyer. 2018. [Deep contextualized word representations](#). In *Proceedings of the 2018 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*, pages 2227-2237, New Orleans, Louisiana, USA.
- Telmo Pires, Eva Schlinger and Dan Garrette. 2019. [How multilingual is Multilingual BERT?](#) arXiv:1906.01502.
- Alexander M. Rush, Sumit Chopra and Jason Weston. 2015. [A Neural Attention Model for Abstractive Sentence Summarization](#). In *Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing*, pages 379–389, Lisbon, Portugal.
- Danielle Saunders, Felix Stahlberg, Adrià de Gispert and Bill Byrne. 2019. [Domain Adaptive Inference for Neural Machine Translation](#). In *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*, pages 222-228, Florence, Italy.
- Rico Sennrich, Barry Haddow and Alexandra Birch 2016a. [Controlling Politeness in Neural Machine Translation via Side Constraints](#). In *Proceedings of the 2016 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*, pages 35–40, San Diego, California.
- Rico Sennrich, Barry Haddow, Alexandra Birch. 2016b. [Improving Neural Machine Translation Models with Monolingual Data](#). In *Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics*, pages 86-96, Berlin, Germany.
- Tianxiao Shen, Myle Ott, Michael Auli and Marc’Aurelio Ranzato. 2019. [Mixture Models for Diverse Machine Translation: Tricks of the Trade](#). In *Proceedings of the 36th International Conference on Machine Learning*, pages 5719-5728, Long Beach, California, USA.
- Kaitao Song, Xu Tan, Tao Qin, Jianfeng Lu, Tie-Yan Liu. 2019. [MASS: Masked Sequence to Sequence Pre-training for Language Generation](#). In *Proceedings of the 36th International Conference on Machine Learning*.
- Toshiyuki Takezawa, Eiichiro Sumita, Fumiaki Sugaya, Hirofumi Yamamoto, and Seiichi Yamamoto. 2002. [Toward a Broad-coverage Bilingual Corpus for Speech Translation of Travel Conversations in the Real World](#). In *Proceedings of the 3rd International Conference on Language Resources and Evaluation*, pages 147–152, Las Palmas, Canary Islands, Spain.
- Ashish Vaswani, Noam Shazeer, Niki Parmar, Jakob Uszkoreit, Llion Jones, Aidan N. Gomez, Łukasz Kaiser, and Illia Polosukhin. 2017. [Attention is all you need](#). In *Advances in Neural Information Processing Systems 30*, pages 5998-6008. Curran Associates, Inc.

- Jesse Vig and Yonatan Belinkov. 2019. [Analyzing the Structure of Attention in a Transformer Language Model](#). In *Proceedings of the 2019 ACL Workshop BlackboxNLP: Analyzing and Interpreting Neural Networks for NLP*, pages 63-76, Florence, Italy.
- Oriol Vinyals, Quoc Le. 2015. [A Neural Conversational Model](#). In *Proceedings of the 32nd International Conference on Machine Learning*, Lille, France.
- Elena Voita, David Talbot, Fedor Moiseev, Rico Sennrich, Ivan Titov. 2019. [Analyzing Multi-Head Self-Attention: Specialized Heads Do the Heavy Lifting, the Rest Can Be Pruned](#). In *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*, pages 56-62, Florence, Italy.
- David Yarowsky, Grace Ngai and Richard Wicentowski. 2001. [Inducing Multilingual Text Analysis Tools via Robust Projection across Aligned Corpora](#). In *Proceedings of the First International Conference on Human Language Technology Research*.
- Xingxing Zhang and Mirella Lapata. 2017. [Sentence Simplification with Deep Reinforcement Learning](#). In *Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing*, pages 584–594, Copenhagen, Denmark.