Alex C. Wang
alexwang@nyu.edu
Compiled May 15, 2021

EDUCATION

New York University, New York, NY USA
Ph.D., Computer Science 2017 - current
Advisors: Samuel R. Bowman and Kyunghyun Cho

Harvard University, Cambridge, MA USA
M.S., Computer Science 2016 - 2017
B.A., Applied Mathematics, *magna cum laude* 2013 - 2017
Thesis: A Neural Framework for Low-Shot Learning. High Honors
Advisor: Alexander Rush

AWARDS

*SEM Best Paper Award	2019
NSF Graduate Research Fellowship ($34,000/year)	2018 - 2021
AI Grant ($2500)	2017
Henry M. MacCracken Fellowship (full graduate funding)	2017 - 2022
Harvard College Scholar (top 10% of class by GPA)	2016

PEER-REVIEWED PUBLICATIONS

2020. Label Representations in Modeling Classification as Text Generation. Xinyi Chen, Jiangxian Xu, **Alex Wang**. *Proceedings of the 1st Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 10th International Joint Conference on Natural Language Processing: Student Research Workshop*. **Best Paper Award Runner-Up**.

2020. Asking and Answering Questions to Evaluate the Factual Consistency of Summaries. **Alex Wang**, Kyunghyun Cho, and Mike Lewis. *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL)*.

2020. jiant: A Software Toolkit for Research on General-Purpose Text Understanding Models. Yada Pruksachatkun, Phil Yeres, Haokun Liu, Jason Phang, Phu Mon Htut, **Alex Wang**, Ian Tenney, and Samuel R. Bowman. *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL), demonstration track*.

2019. SuperGLUE: A Stickier Benchmark for General-Purpose Language Understanding Systems. {**Alex Wang**, Yada Pruksachatkun, Nikita Nangia, Amanpreet Singh}, Julian Michael, Felix Hill, Omer Levy, and Samuel R. Bowman. *Proceedings of the Thirty-third Conference on Neural Information Processing Systems (NeurIPS)*.

2019. BERT has a Mouth and It Must Speak: BERT as a Markov Random Field Language Model. **Alex Wang** and Kyunghyun Cho. *Proceedings of the First Workshop for Methods for Optimizing and Evaluating Neural Language Generation (NeuralGen)*.

2019. Probing What Different NLP Tasks Teach Machines About Function Word Comprehension. Najoung Kim, Roma Patel, Adam Poliak, **Alex Wang**, Patrick Xia, R Thomas McCoy, Ian Tenney, Alexis Ross, Tal Linzen, Benjamin Van Durme, Samuel R Bowman, and Ellie Pavlick. *Proceedings of the Eighth Joint Conference on Lexical and Computational Semantics (*SEM)*. **Best Paper Award**.

2019. Can You Tell Me How to Get Past Sesame Street? Sentence-Level Pretraining Beyond Language Modeling. **Alex Wang**, Jan Hula, Patrick Xia, Raghavendra Pappagari, R Thomas McCoy, Roma Patel, Najoung Kim, Ian Tenney, Yinghui Huang, Katherin Yu, Shuning Jin, Berlin Chen, Benjamin Van Durme, Edouard Grave, Ellie Pavlick, and Samuel R. Bowman. *Proceedings of the 57th Annual Meeting of the*

Association for Computational Linguistics (ACL).

2019. On Measuring Social Biases in Sentence Encoders. Chandler May, **Alex Wang**, Shikha Bordia, Samuel R. Bowman, and Rachel Rudinger. *Proceedings of the 2019 Annual Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT).*

2018. GLUE: A Multi-Task Benchmark and Analysis Platform for Natural Language Understanding. **Alex Wang**, Amapreet Singh, Julian Michael, Felix Hill, Omer Levy, and Samuel R. Bowman. *Proceedings of the Seventh International Conference on Learning Representations (ICLR).*

2018. What do you learn from context? Probing for sentence structure in contextualized word representations. Ian Tenney, Patrick Xia, Berlin Chen, **Alex Wang**, Adam Poliak, Benjamin Van Durme, Sam Bowman, Dipanjan Das, and Ellie Pavlick. *Proceedings of the Seventh International Conference on Learning Representations (ICLR).*

2016. Learning linguistic descriptors of user roles in online communities. **Alex Wang**, William L. Hamilton, and Jure Leskovec. *Proceedings of the First Workshop on NLP and Computational Social Science.*

PREPRINTS

2021. QuestEval: Summarization Asks for Fact-Based Evaluation. Thomas Scialom, Paul-Alexis Dray, Patrick Gallinari, Sylvain Lamprier, Benjamin Piwowarski, Jacopo Staiano, **Alex Wang**. *arXiv.*

2019. A Generalized Framework of Sequence Generation with Application to Undirected Sequence Models. Elman Mansimov, **Alex Wang**, Sean Welleck, and Kyunghyun Cho. *arXiv.*

INVITED TALKS

2020. QAGS: Question Answering and Generation for Evaluating Summarization. Google Natural Language Generation Reading Group. Remote presentation.

TEACHING EXPERIENCE

New York University, New York, NY USA

Teaching Assistant Spring 2019
Natural Language Understanding and Computational Semantics (DS-GA 1012)
Instructors: Samuel R. Bowman and Katharina Kann.

Harvard University, Cambridge, MA USA

Head Teaching Fellow Spring 2017
Networks (CS134)
Instructor: Yaron Singer.

Teaching Fellow Spring 2016
Economics and Computation (CS136)
Instructor: David Parkes.

Teaching Fellow Fall 2016
Networks (CS134).
Instructor: Yaron Singer and Ben Golub.

ORGANIZATION

2020. Organizing Committee Member. Workshop on Simple and Efficient Natural Language Processing (SustaiNLP, hosted at EMNLP).

REVIEWING

2020. Annual Meeting of the Association for Computational Linguistics (ACL).

2019 - 2021. International Conference on Learning Representations (ICLR).

2018 - 2020. Conference on Neural Information Processing Systems (NeurIPS).

2018, 2020. Conference on Empirical Methods in Natural Language Processing (EMNLP).

2018. NAACL Student Research Workshop (NAACL SRW).

2020. Workshop on Evaluating NLG Evaluation (EvalNLG).

2017. Workshop on Natural Language Processing and Computational Social Science (NLP+CSS).

OUTREACH

2020. Co-organizer. NYU AI School. Remote workshop.
Two-day educational workshop aimed at introducing NYC-area students from diverse and non-computer science backgrounds to artificial intelligence.
`https://nyu-mll.github.io/nyu-ai-school-2021/`

2019. Co-organizer. NYC AI Workshop. New York, NY USA.
`https://nyu-mll.github.io/nyc-ai-workshop/`