Jacob Morrison

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Research Interests

My research interests broadly include machine learning for natural language processing, with a focus on transfer learning, robustness, and improving model evaluation.

Education

	University of Washington, Seattle, WA
2021 – 2022	M.S. in Computational Linguistics
	University of Washington, Seattle, WA
2013 – 2017	B.S. in Computer Science, Minor in Mathematics

Research Experience

	Allen Institute for Artificial Intelligence, Seattle, WA
01/2023 – Present	Predoctoral Young Investigator, AllenNLP
	Machine learning for natural language processing, robustness, model efficiency
04/2021 – 06/2021	Research Engineer Intern, AllenNLP
	Implemented multiple language + vision models into the AllenNLP platform
	X, the moonshot factory, Mountain View, CA
06/2022 – 09/2022	AI Resident, Code & Program Synthesis
	Confidential projects focused on web-scale dataset construction and evaluation
	University of Washington, Computer Science & Engineering, Seattle, WA
09/2021 – 06/2022	Graduate Research Assistant, with Jungo Kasai & Noah Smith
	BillBoards and *THumB*, fairer and improved evaluation for generative models; Investigated merging models for transfer learning
12/2016 – 08/2017	Undergraduate Research Assistant, with Yangfeng Ji & Noah Smith
	Created a general model for representing and predicting sentence pairs

Industry Experience

	Twitter, Seattle, WA
06/2021 – 09/2021	Data Scientist Intern, Platform Health
	Analyzed bias and negative feedback loops in large models for detecting abuse

| | **Google**, Kirkland, WA |
| 01/2019 – 02/2021 | Software Engineer |

| | **Tableau**, Seattle, WA |
| 09/2017 – 12/2018 | Software Engineer |

Teaching Experience

	University of Washington
Fall 2022	Head Teaching Assistant, Natural Language Processing
Fall 2015	Teaching Assistant, Introduction to Computer Science
03/2014 – 06/2016	Grading Assistant, Department of Mathematics

Publications

Peer Reviewed Conferences

[1] Jungo Kasai, Keisuke Sakaguchi, Lavinia Dunagan, **Jacob Morrison**, Ronan Le Bras, Yejin Choi, & Noah A. Smith. *Transparent Human Evaluation for Image Captioning*. NAACL 2022. arxiv:2111.08940

[2] Jungo Kasai, Keisuke Sakaguchi, Ronan Le Bras, Lavinia Dunagan, **Jacob Morrison**, Alexander R. Fabbri, Yejin Choi, & Noah A. Smith. *Bidimensional Leaderboards: Generate and Evaluate Language Hand in Hand*. NAACL 2022. arxiv:2112.04139