

Leo Zeyu Liu

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EDUCATION

University of California, Berkeley	Berkeley, CA
Summer Session	Summer 2016
University of Washington	Seattle, WA
BS/MS in Computer Science	Sept. 2017 – June 2023 (Expected)
<i>BS GPA: 3.88/4.0 MS GPA: 3.95/4.0</i>	

EXPERIENCE

Meta AI	Sept. 2021 — Sept. 2022
<i>FAIR AI Resident</i> , with Dr. Xian Li, Dr. Veselin Stoyanov, Tim Dettmers, and Xi Victoria Lin	
USC Information Science Institute, MaxLab	2021 — Present
<i>Research Intern</i> , with Professor Xuezhe Ma (Max) and Professor Jonathan May	
Allen Institute for Artificial Intelligence (AI2)	Winter 2021
<i>Software Engineer</i> , with Evan Pete Walsh	
University of Washington, Noah's Ark	2019 — Present
<i>Research Assistant</i> , with Yizhong Wang, Jungo Kasai and Professor Noah A. Smith	
University of Washington, CLMBR	2020 — Present
<i>Research Assistant</i> , with Professor Shane Steinert-Threlkeld	
University of Washington, Research Computing Club	2018 — 2019
<i>Undergraduate Liaison; Research Engineer</i> , with Will Kearns	

REFERRED PUBLICATIONS

* = equal contribution, α = sorted alphabetically or determined randomly

- [1] **Leo Z. Liu**, Tim Dettmers, Xi Victoria Lin, Veselin Stoyanov, and Xian Li. Towards a unified view of sparse feed-forward network in transformer. In *Submission to ICLR*, 2023
- [2] Shane Steinert-Threlkeld, Xuhui Zhou, **Leo Z. Liu**, and C. M. Downey. Emergent communication fine-tuning (ec-ft) for pretrained language models. In *Proc. of ICLR EmeCom Workshop (Runner-up Best Paper)*, 2022. <https://openreview.net/pdf?id=SUqrM7WR7W5>
- [3] **Leo Z. Liu**^{*}, Yizhong Wang^{*}, Jungo Kasai, Hannaneh Hajishirzi, and Noah A. Smith. Probing across time: What does roberta know and when? In *Proc. of EMNLP Finding and Proc. of EMNLP BlackboxNLP Workshop (Poster)*, 2021. <https://aclanthology.org/2021.findings-emnlp.71.pdf>
- [4] Chuanrong Li ^{α} , Lin Shengshuo ^{α} , **Leo Z. Liu** ^{α} , Xinyi Wu ^{α} , Xuhui Zhou ^{α} , and Shane Steinert-Threlkeld. Linguistically-informed transformations (LIT): A method for automatically generating contrast sets. In *Proc. of EMNLP BlackboxNLP Workshop (Poster)*, 2020. <http://arxiv.org/abs/2010.08580>

HONORS & REWARDS

Dean's List	2017 – 2020
Citadel UW Datathon 2nd Place (\$2500)	2018
Runner-up Best Paper, ICLR 2022 Workshop on EmeCom Workshop	2018

PROFESSIONAL SERVICE

Student Volunteer:

- Annual Meeting of the Association for Computational Linguistics (ACL): 2020
- Conference on Empirical Methods in Natural Language Processing (EMNLP): 2020

Reviewer:

- Conference on Empirical Methods in Natural Language Processing (EMNLP): SustaiNLP 2021; 2022

TEACHING EXPERIENCE

CSE 447: Natural Language Processing , Graduate TA with Professor Yulia Tsvetkov	Sept. 2022 – Dec. 2022 Seattle, WA
CSE 5/446: Machine Learning , Graduate TA with Professor Sewoong Oh and Professor Simon Shaolei Du	March. 2021 – June. 2021 Seattle, WA
CSE 5/446: Machine Learning , Graduate TA with Professor Kevin Jamieson and Professor Jamie Morgenstern	Sept. 2020 – Dec. 2020 Seattle, WA
CSE 5/446: Machine Learning , Graduate TA with Professor Kevin Jamieson and Professor Jamie Morgenstern	April 2020 – June 2020 Seattle, WA
CSE 446: Machine Learning , Undergraduate TA with Professor Sewoong Oh	Sept. 2019 – Dec. 2019 Seattle, WA
CSE 446: Machine Learning , Undergraduate TA with Professor Kevin Jamieson and Professor Anna R. Karlin	April 2019 – June 2019 Seattle, WA

TECHNICAL SKILLS

Programing: Python, Java, C/C++, SQL, LISP-like, Bash, L^AT_EX
Frameworks/Libraries: PyTorch, `scikit-learn`, AllenNLP, Numpy
Language: Chinese (Native), English (Proficient)

Last Updated on 29th September 2022