

Yapei Chang

📍 Amherst, MA ✉ yapeichang@umass.edu 🔗 <https://lilakk.github.io/> 🎧 lilakk

Technical Skills

Python, PyTorch, distributed training, AWS, Golang, Java, JavaScript, C

Education

University of Massachusetts Amherst
MS/PhD in Computer Science

Sep 2022 – Present

- Advised by [Prof. Mohit Iyyer](#) 🔗

Smith College
BA in Computer Science; Minor in Mathematics

Sep 2018 – May 2022

Work Experience

Software Developer Engineer Intern Amazon (Seattle, WA)

May 2021 – Aug 2021

- Worked as a full-stack developer in the Make on Demand team on printer quality assurance.
- Skills involved: React, TypeScript, single-table non-relational database design, DynamoDB, Golang, GraphQL, AWS state machines and other AWS microservices.

Ongoing Projects

Long-context instruction tuning of language models

Aug 2024 – Present

- Finetuning open-source models on long-form instruction data with distributed training optimizations (FSDP, DeepSpeed-Ulysses) and streaming datasets.

Publications

PostMark: A Robust Blackbox Watermark for Large Language Models

EMNLP 2024

Yapei Chang, Kalpesh Krishna, Amir Houmansadr, John Wieting, Mohit Iyyer

[PDF](#) 🔗

FABLES: Evaluating faithfulness and content selection in book-length summarization

COLM 2024

Yekyung Kim, *Yapei Chang*, Marzena Karpinska, Aparna Garimella, , Varun Manjunatha, Kyle Lo, Tanya Goyal, Mohit Iyyer

[PDF](#) 🔗

BooookScore: A Systematic Exploration of Book-length Summarization in the Era of LLMs

ICLR 2024

Oral Presentation
(Top 1.2%)

Yapei Chang, Kyle Lo, Tanya Goyal, Mohit Iyyer

[PDF](#) 🔗

RankGen: Improving Text Generation with Large Ranking Models

EMNLP 2022

Kalpesh Krishna, *Yapei Chang*, John Wieting, Mohit Iyyer

Oral Presentation
(Top 21.1%)

[PDF](#) 🔗

RELiC: Retrieving Evidence for Literary Claims

ACL 2022

Katherine Thai, *Yapei Chang*, Kalpesh Krishna, Mohit Iyyer

[PDF](#) 🔗

A Broader Range for 'Meaning the Same Thing': Human Against Machine on Hard Paraphrase Detection Tasks

ACS 2020

Jamie C. Macbeth, ***Yapei Chang***, Jingyu Gin Chen, Yining Hua, Sandra Grandic,
Winnie X. Zheng

[PDF](#) [↗](#)

Teaching

PhD Mentor for the UMass Industry Mentor Program

Feb 2024 – May 2024

TA for CS685 Advanced Natural Language Processing

Feb 2023 – May 2023