

# 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

[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

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**PhD Mentor for the UMass Industry Mentor Program**

*Feb 2024 – May 2024*

**TA for CS685 Advanced Natural Language Processing**

*Feb 2023 – May 2023*