Yapei Chang

Email yapeichang@umass.edu Website https://lilakk.github.io/

Education

SEP 2022 - PRESENT

University of Massachusetts, Amherst - *MS/PhD in Computer Science*

Advised by Prof. Mohit Iyyer with a research focus on natural language processing (NLP).

SEP 2018 - MAY 2022

Smith College - *BA in Computer Science, Minor in Mathematics*

Publications

Preprint [URL] [CODE]

PostMark: A Robust Blackbox Watermark for Large Language Models *Yapei Chang*, Kalpesh Krishna, Amir Houmansadr, John Wieting, Mohit Iyyer

Preprint [URL] [CODE]

FABLES: Evaluating faithfulness and content selection in book-length summarization Yekyung Kim, *Yapei Chang*, Marzena Karpinska, Aparna Garimella, Varun Manjunatha, Kyle Lo, Tanya Goyal, Mohit Iyyer

ICLR 2024 (**Oral Presentation**) [URL] [CODE]

BooookScore: A Systematic Exploration of Book-length Summarization in the Era of LLMs *Yapei Chang*, Kyle Lo, Tanya Goyal, Mohit Iyyer

EMNLP 2022 [URL] [CODE]

RankGen: Improving Text Generation with Large Ranking Models Kalpesh Krishna, *Yapei Chang*, John Wieting, Mohit Iyyer

ACL 2022 [URL]

RELiC: Retrieving Evidence for Literary Claims Katherine Thai, *Yapei Chang*, Kalpesh Krishna, Mohit Iyyer

ACS 2020 [URL]

A Broader Range for 'Meaning the Same Thing': Human Against Machine on Hard Paraphrase Detection Tasks Jamie C. Macbeth, *Yapei Chang*, Jingyu Gin Chen, Yining Hua, Sandra Grandic, Winnie X. Zheng

Teaching

FEB 2024 - MAY 2024

PhD Mentor for the UMass Industry Mentor Program

FEB 2023 - MAY 2023

TA for CS685 Advanced Natural Language Processing

Work Experience

MAY 2021 - AUG 2021

Amazon, Seattle, WA - *Software Developer Engineer Intern*

- Worked as a full-stack developer in the Make on Demand team on printer quality assurance, which involved working with microservices and AWS technologies.
- The project involved implementing user interfaces with React and TypeScript, single-table non-relational database design, dynamically rendering UI elements by querying DynamoDB with Golang and GraphQL, implementing backend print request submission through an AWS state machine, and implementing a Java workflow that prints text and barcodes onto template files retrieved from Amazon S3.