

Feng Li

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Education

University of Illinois at Urbana-Champaign

Aug 2021 – Dec 2022

- *Master of Computer Science*; GPA: 3.70/4.0

Urbana, Illinois

The Ohio State University

Aug 2017 – Aug 2020

- *Bachelor of Science in Computer Science & Engineering*; GPA: 3.84/4.0
- *Teaching Assistant* : CSE 2221

Columbus, OH

Publications

F. Li "Climbing the Reasoning Plateau: Integrating the Free Energy Principle and Cognitive Science for Advanced AI Models", **Preprint**

Y. Feng, F. Li, P. Koehn "Toward the Limitation of Code-Switching in Cross-Lingual Transfer", **EMNLP-2022**

Y. Feng, F. Li, Z. Song, B. Zheng, P. Koehn "Learn To Remember: Transformer with Recurrent Memory for Document-level Machine Translation", **NAACL-2022**

Research Experience

Research Assistant, Westlake University – Hangzhou, China

Aug 2020 – Apr 2021

- Spearheaded the development of an online psychological therapy platform, integrating AI-generated response recommendations for therapists to significantly enhance service efficiency.
- Constructed a robust therapy dialogue dataset through the platform, facilitating future research in areas such as content safety and emotional analysis.
- Employed advanced statistical models (GPT) combined with a ranker to generate response texts, refining AI-generated content quality through continuous improvement based on therapists engagement data.

Research Assistant, The Ohio State University – Columbus, OH

Feb 2019 – Apr 2019

- Designed and implemented a well-visualized tool for a Humanity Entity Recognizer aimed at reducing both time and cost associated with NER annotation tasks.

Work Experience

Software Developer, AI Rudder Inc. – San Mateo, CA

Feb 2023 – Jul 2024

- Developed AI-driven voice agents at AI Rudder, automating tasks such as call transfers, scheduling, and service bookings by integrating LLMs, TTS, and ASR.
- Designed a framework leveraging LLM function calling to decompose human agent SOPs into dynamic sub-prompts, enhancing the docility and trustworthiness of voice agents.
- Engineered a Gin-based API, accelerating integration speed and efficiency in connecting voice agents with external tools.

Software Developer Intern, ByteDance – Beijing, China

Apr 2021 – Jul 2021

- Developed a system to ensure the continuous availability of a state-of-the-art online CV model, enabling the automated execution of test sets for corresponding models at regular intervals with integrated failure alerts.
- Designed and implemented a testing pipeline that streamlines the creation of test sets for models and enables one-click deployment.

Front-end Developer Intern, Bank of America Merrill Lynch – Pennington, NJ

Jun 2019 – Aug 2019

- Redesigned and maintained the communication center website, enhancing accessibility and team collaboration through internal web applications.

Skills

Coursework: Seminar in Cognitive Science, Medical Neuroscience, Advanced Topics in NLP, Applied ML

Languages: Python, Go, C#, C, Go, Ruby, JavaScript, MongoDB, SQL, Bash

Framework: Pytorch, Transformers, Django, Flask, Gin