

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 Columbus, OH
• *Teaching Assistant* : CSE 2221: Software I

Publications

- 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**, Laureate Institute for Brain Research – Tulsa, OK Sep 2024 – Present
- Conducted model comparisons using active inference and RL to analyze behavioral data on the Two-Armed Bandit Task, elucidating decision-making processes in the human brain.
 - Fit probabilistic associative learning task reaction time data using Hierarchical Gaussian Filter and Drift Diffusion Models to examine belief updating under varying uncertainty levels.
- 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.

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 operating procedures 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 predefined intervals with integrated failure alerts.
 - Designed and implemented a testing pipeline that streamlines the construction 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, MATLAB, C#, C, Go, Ruby, JavaScript, MongoDB, SQL, Bash

Framework: Pytorch, Transformers, Django, Flask, Gin