Title: Research Paradigms on Large Language Model and Personalization

Abstract:
Tons of research is being performed on Large language models (LLMs) and personalization, for their amazing capabilities and real-world needs, respectively. In this talk, I will present three popular research paradigms on this topic, including (1) Personalization for LLM, (2) LLM for Personalization, and (3) Personalized LLMs. Specifically, I will introduce a few advanced LLM techniques, such as knowledge augmentation, cross-lingual instruction tuning, LLM-based user modeling, and personalized parameter-efficient fine-tuning (PEFT) for LLM democratization.

Bio:
Meng Jiang is an Associate Professor in the Department of Computer Science and Engineering at the University of Notre Dame. He received B.E. and PhD from Tsinghua University. He was a visiting scholar at CMU and a postdoc at UIUC. He is interested in data mining, machine learning, and natural language processing. His data science research focuses on graph and text data for applications such as question answering, online education, mental healthcare, and recommender systems. He received the CAREER Award from the National Science Foundation. He has delivered 14 conference tutorials and organized seven workshops. He is a Senior Member of ACM and IEEE.