Langlin Huang

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Education

- **Washington University in St. Louis (WashU)** *St.Louis, U.S.*
  Ph.D. Student in Computer Science - GPA: 4.0/4.0 Aug. 2024 - Jun. 2029 (expected)
- **Institute of Computing Technology, Chinese Academy of Sciences (ICT/CAS)** *Beijing, China*
  M.E. in Computer Technology -GPA: 3.75/4.0, Outstanding Dissertation Sep. 2021 - Jun. 2024
- **University of International Business and Economics (UIBE)** *Beijing, China*
  B.E. in Data Science and Big Data Technology -GPA: 3.74/4.0 (Rank:2/147) Sep. 2017 - Jun. 2021

Research Interests

- Language Model Reasoning & Efficient Model Training and Generation
- Multilingual Language Model

Publications

- **PosS: Position Specialist Generates Better Draft for Speculative Decoding**
  Langlin Huang, Chengsong Huang, Jixuan Leng, Di Huang, Jiaxin Huang
  Submitted to ICLR 2026 [Paper] [Code]
- **MoCE: Adaptive Mixture of Contextualization Experts for Byte-based Neural Machine Translation**
  Langlin Huang, Mengyu Bu, Yang Feng
  NAACL 2025 oral [Paper] [Code]
- **Integrating Multi-scale Contextualized Information for Byte-based Neural Machine Translation**
  Langlin Huang, Yang Feng
  ACL findings, 2024 [Paper][Code]
- **Enhancing Neural Machine Translation with Semantic Units**
  Langlin Huang, Shuhao Gu, Zhuocheng Zhang, Yang Feng
  EMNLP findings, 2023 [Paper][Code]
- **CrossWordBench: Evaluating the Reasoning Capabilities of LLMs and LVLMs with Controllable Puzzle Generation**
  Jixuan Leng, Chengsong Huang, **Langlin Huang**, Bill Yuchen Lin, William W Cohen, Haohan Wang, Jiaxin Huang
  COLM 2025 [Paper][Code] [Dataset]
- **Divide, Reweight, and Conquer: A Logit Arithmetic Approach for In-Context Learning**
  Chengsong Huang, **Langlin Huang**, Jiaxin Huang
  ICLR 2025 workshop [Paper][Code]
- **Efficient test-time scaling via self-calibration**
  Chengsong Huang, **Langlin Huang**, Jixuan Leng, Jiacheng Liu, Jiaxin Huang
  Preprint [Paper][Code]
- **BayLing: Bridging Cross-lingual Alignment and Instruction Following through Interactive Translation for Large Language Models**
  Shaolei Zhang, Qingkai Fang, Zhuocheng Zhang, Zhengrui Ma, Yan Zhou, **Langlin Huang**, Mengyu Bu, Shangtong Gui, Yunji Chen, Xilin Chen, Yang Feng
  Preprint [Paper] [Code]
- **Automatic Construction of a Depression-Domain Lexicon Based on Microblogs: Text Mining Study**
  Genghao Li, Bing Li, **Langlin Huang**, Sibing Hou
  JMIR medical informatics, 2020, Vol 8. Jun. 2020 [Paper]

Industry Experience

- **Search Relevance Team, ByteDance** *Jan. 2024 - Apr. 2024*
  Algorithm Engineer
  Proposed an adapter module to bridge the relevance model used in production with an LLM. The adapter transformed representations from the traditional model into LLM-compatible hidden states, enabling:
  – Joint utilization of pretrained traditional models and powerful LLM reasoning capabilities.
  – Robust handling of out-of-vocabulary and multilingual inputs.
  – A representation model plus LLM framework extensible to user-isolated data or multimodal input scenarios.

Languages Proficiency

Master:Python, Shell, LaTeX, C++
Proficient:JAVA, R, C

Community Services

Top-reviewer: NeurIPS 2025
Reviewer: NeurIPS, ICLR, COLM, ACL, ACL Rolling Review, TALLIP