

BANGZHENG LI

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1 Shields Ave, Davis, CA 95616

EDUCATION

University of California, Davis, Ph.D. in Computer Science, advisor: Muhao Chen	2024 – Now
University of Southern California, Ph.D. in Computer Science, advisor: Muhao Chen	2022 – 2023
University of Illinois, Urbana-Champaign, B.S. in Mathematics and Computer Science	2018 – 2020
Beihang University, B.S. in Mathematics	2016 – 2018

PROFESSIONAL EXPERIENCE

Student Researcher, Google DeepMind, <i>Mountain View, CA</i>	Sep 2025 – Now
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- Long video understanding of multimodal LLMs.

Research Intern, AMD, <i>Santa Clara, CA</i>	Jun 2025 – Sep 2025
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- “Latent Visual Reasoning” research project, empowering multimodal LLMs with cross-modal reasoning capability.

Research Assistant, University of Southern California, <i>Los Angeles, CA</i>	Aug 2020 – Jun 2022
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Research Assistant, University of Illinois at Champaign-Urbana, <i>Champaign, IL</i>	Aug 2019 – Jul 2020
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PUBLICATION LIST

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- **Bangzheng Li**, Ximeng Sun, Jiang Liu, Ze Wang, Jialian Wu, Xiaodong Yu, Hao Chen, Emad Barsoum, Muhao Chen, Zicheng Liu. “Latent Visual Reasoning” preprint, 2025
 - Kyle R. Chickering, **Bangzheng Li**, Muhao Chen “QLIP: A Dynamic Vision Prior Enhances MLLM Performance Without Retraining” preprint, 2025
 - **Bangzheng Li**, Fei Wang, Ben Zhou, Nan Xu, Sheng Zhang, Hoifung Poon, Muhao Chen. “Efficient Vision Language Modeling with Semantic-guided Visual Selection” preprint, 2025
 - Xingyu Fu*, Yushi Hu*, **Bangzheng Li**, Yu Feng, Haoyu Wang, Xudong Lin, Dan Roth, Noah A. Smith, Wei-Chiu Ma, Ranjay Krishna. “BLINK : Multimodal Large Language Models Can See but Not Perceive” ECCV, 2024
Spotlight presentation at Workshop cVinW@CVPR 2024
Spotlight paper at Harmonious
Over 36K Total downloads on HuggingFace
HuggingFace Paper of the day
 - **Bangzheng Li**, Ben Zhou, Fei Wang, Xingyu Fu, Dan Roth, Muhao Chen. “Deceptive Semantic Shortcuts on Reasoning Chains: How Far Can Models Go without Hallucination?” NAACL, 2024
 - **Bangzheng Li**, Ben Zhou, Xingyu Fu, Fei Wang, Dan Roth, Muhao Chen. “FamiCom: Further Demystifying Prompts for Language Models with Task-Agnostic Performance Estimation” Arxiv, 2024
 - Tenghao Huang, Ehsan Qasemi, **Bangzheng Li**, He Wang, Faeze Brahman, Muhao Chen, Snigdha Chaturvedi. “Affective and Dynamic Beam Search for Story Generation” EMNLP, 2023

- **Bangzheng Li**, Wenpeng Yin, Muhao Chen. “Ultra-fine Entity Typing with Indirect Supervision from Natural Language Inference” TACL, 2022
- James Huang, **Bangzheng Li**, Jiashu Xu, Muhao Chen. “Unified semantic typing with meaningful label inference” NAACL, 2022
- Nan Xu, Fei Wang, **Bangzheng Li**, Mingtao Dong, and Muhao Chen. “Does your model classify entities reasonably? diagnosing and mitigating spurious correlations in entity typing” EMNLP, 2022
- Qingyun Wang, Manling Li, Xuan Wang, Nikolaus Parulian, Guangxing Han, Jiawei Ma, Jingxuan Tu, Ying Lin, Ranran Haoran Zhang, Weili Liu, Aabhas Chauhan, Yingjun Guan, **Bangzheng Li**, Ruisong Li, Xiangchen Song, Yi Fung, Heng Ji, Jiawei Han, Shih-Fu Chang, James Pustejovsky, Jasmine Rah, David Liem, Ahmed ELsayed, Martha Palmer, Clare Voss, Cynthia Schneider, Boyan Onyshkevych. “COVID-19 Literature Knowledge Graph Construction and Drug Repurposing Report Generation” NAACL, 2021
- Carl Yang, Jieyu Zhang, Haonan Wang, **Bangzheng Li**, Jiawei Han. “Neural Concept Map Generation for Effective Document Classification with Interpretable Structured Summarization” SIGIR, 2020
Best Demo Paper
- Xuan Wang, Xiangchen Song, **Bangzheng Li**, Yingjun Guan, Jiawei Han. “Comprehensive named entity recognition on COVID-19 with distant or weak supervision” ISMB, 2020
- Xuan Wang, Xiangchen Song, **Bangzheng Li**, Kang Zhou, Qi Li, Jiawei Han. “Fine-Grained Named Entity Recognized Dataset of COVID-19 Literature” BIBM, 2020

SUMMARY OF QUALIFICATIONS

- **Programming skills:** Python, L^AT_EX, C/C++, Java, HTML, CSS
- **Developer Tools:** Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm
- **Frameworks:** PyTorch, Tensorflow, OpenCV, Scikit-Learn, HuggingFace

REWARDS

- **Provost’s Fellowship, Viterbi School of Engineering, USC** 2021 - 2022
- **Dean’s List, College of Liberal Arts & Sciences, UIUC** 2019 - 2020

PROFESSIONAL SERVICES

- **Member:** Association for Computational Linguistics (ACL) 2021 - Now
- **Reviewer:** AAAI, ACL, ACL Rolling Review, EMNLP, NAACL, IJCAI 2021 - Now