

# Jingheng Pan

## EDUCATION

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### University of Hamburg

M.S. in Business Informatic

Hamburg, Germany

Oct. 2022 - Jun. 2025

### Xi'an University of Posts & Telecommunications

B.S. in Information Management and Information Systems

Xi'an, China

Sept. 2017 - Jul. 2021

## EXPERIENCE

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### University of Hamburg, Language Technology Group

Research Assistant, Advisor: Xintong Wang

Hamburg, Germany

Sept. 2023 - Sept. 2025

- Large Vision-Language Models

### Keepyun Technology Co., Ltd.

Golang Engineer

Zhuhai, China

Dec. 2021 - Mar. 2023

- Full-Stack Development and System Maintenance

## PUBLICATIONS

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- Xintong Wang, Yixiao Liu, **Jingheng Pan**, Longyue Wang, and Chris Biemann, “*ToxiRewriteCN* : Chinese Toxic Language Mitigation via Sentiment Polarity Consistent Rewrites: Benchmark and Evaluation”, *Under Review*. May 2025 [[LVLM Multimodal&Multilingual](#)]
  - Fine-tuned a detoxification- and a sentimental polarity classifier
  - Benchmarked both closed-source and open-source models for performance comparison
- Xintong Wang, **Jingheng Pan**, Yixiao Liu, Chris Biemann, and Longyue Wang, “Rethinking Multilingual Vision-Language Translation: Dataset, Evaluation, and Adaptation”, *Under Review*. April 2025 [[LVLM Multimodal & Multilingual](#)]
  - Fine-tuned state-of-the-art LVLMS (e.g., Qwen-VL, InternVL) with LoRA and evaluated their performance on multilingual translation benchmarks
  - Designed and implemented a density-aware evaluation framework
- Xintong Wang, **Jingheng Pan**, Liang Ding, Longyue Wang, Longqin Jiang, Xingshan Li, and Chris Biemann, “*Cog-Steer*: Cognition-Inspired Selective Layer Intervention for Efficiently Steering Large Language Models”, *Findings of the Association for Computational Linguistics (ACL)*. August 2025 (*Core Rank A\* and CCF-A*) [[LLM Interpretability&Efficiency&Safety](#)]
  - Applied the PEFT method to selectively intervene intermediate outputs of different layers in LLMs (e.g., GPT-2, Mistral, LLaMA)
- Xintong Wang, **Jingheng Pan**, Liang Ding, and Chris Biemann, “Mitigating Hallucinations in Large Vision-Language Models with Instruction Contrastive Decoding”, *Findings of the Association for Computational Linguistics (ACL)*. August 2024 (*Core Rank A\* and CCF-A*) [[LVLM Hallucination](#)]
  - Applied the proposed ICD method to mitigate hallucinations in LVLMS (e.g., InstructBLIP, LLaVA) and validated its effectiveness across multiple benchmarks

## PROFESSIONAL ACTIVITIES

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- Conference Reviewer: ACL, NAACL, ACMMM  
*Multimodal Learning* 2025

## TEACHING

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- **Lecturer** at University of Hamburg  
*Master Course: Exercises Statistical Methods of Language Technology* Summer 2025

## SKILLS

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- **Programming Languages:** Python, Java, Golang, C
- **Toolkit for Deep Learning:** PyTorch, Numpy, Pandas, Matplotlib, Transformers, NLTK, Scikit-learn

## LANGUAGES

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- **Chinese:** Native
- **English:** Proficient in spoken and written
- **German:** Advanced language skills (B2)