陈文锴 Wenkai Chen

wchen243@connect.hkust-gz.edu.cn · wkchen630@gmail.com
个人主页 · Google Scholar · English version

教育经历

香港科技大学（广州） 广州，中国
人工智能博士，PAITH 联合培养计划 2025.09 – 至今
导师：秦成伟教授

洛桑联邦理工学院（EPFL） 洛桑，瑞士
访问学生 2024.09 – 2025.05

乌得勒支大学 乌得勒支，荷兰
人工智能硕士；GPA 4.0/4.0 2023.09 – 2025.05

英属哥伦比亚大学 温哥华，加拿大
计算机科学硕士 2022.09 – 2023.08

北京邮电大学 北京，中国
软件工程学士；GPA 3.7/4.0 2018.09 – 2022.07

工作经历

华为 2025.09 – 至今
基础模型部预训练组 · 实习生
• 研究面向下一代基座模型的模型架构与预训练方法。
• 参与 openPangu 的架构设计与研究。

上海人工智能实验室 2025.05 – 2025.07
大模型中心 · 实习生
• 研究并开发多智能体框架及基于强化学习的方法。

学术经历

洛桑联邦理工学院（EPFL） 2024.09 – 2025.05
自然语言处理组 · 硕士论文研究
导师：Prof. Antoine Bosselut
上下文感知视觉表示学习
• 研究在视觉编码器中早期融合上下文信息的方法，用于多模态大语言模型的视觉表示学习。

乌得勒支大学 2024.03 – 2025.04
自然语言处理组 · 研究实习生
导师：Prof. Albert Gatt
COOCO：探究指称交流中的多模态语境
• 构建机器生成的视觉场景目标数据集，并采集参与者眼动数据，用于研究特定目标实体的识别。

英属哥伦比亚大学 2023.01 – 2023.08

自然语言处理组 · 硕士研究生

导师：Prof. Vered Shwartz

CASE：结合常识与扩展答案空间的评分方法

• 构建多项选择问答框架，重新计算语言模型对各候选答案的评分。

清华大学人工智能研究院 2020.07 – 2022.05

研究助理

导师：黄民烈教授

面向隐式问答的问题分解

• 将隐式问题分解为更简单、可回答的子问题，并结合信息检索从数据库中查找答案。

无监督常识问答的语义方法

• 提出基于语义的无监督常识问答方法。

论文发表

[1] *LoopMoE: Unifying Iterative Computation with Mixture-of-Experts for Language Modeling*
Wenkai Chen, Tianshu Li, Wenyong Huang, Yichun Yin, Lifeng Shang, Chengwei Qin.
EMNLP 2026

[2] *COOCO--Common Objects Out-of-Context--Semantic Violation in Scenes: Investigating Multimodal Context in Referential Communication*
Filippo Merlo, Ece Takmaz, **Wenkai Chen**, Albert Gatt.
TACL 2026

[3] *CASE: Commonsense-Augmented Score with an Expanded Answer Space*
Wenkai Chen, Sahithya Ravi, Vered Shwartz.
Findings of EMNLP 2023

[4] *A Semantic-based Method for Unsupervised Commonsense Question Answering*
Yilin Niu*, Fei Huang*, Jiaming Liang, **Wenkai Chen**, Xiaoyan Zhu, Minlie Huang.
ACL 2021

荣誉与奖项

2020 Language and Intelligence Challenge 第五名

陈文锴 Wenkai Chen

wchen243@connect.hkust-gz.edu.cn · wkchen630@gmail.com
Personal Website · Google Scholar · 中文版本

EDUCATION

The Hong Kong University of Science and Technology (Guangzhou) — Guangzhou, China
PhD in Artificial Intelligence, PAITH Co-Supervision Scheme — Sep 2025 – Present
Supervisor: Prof. Chengwei Qin

EPFL — Lausanne, Switzerland
Visiting Student — Sep 2024 – May 2025

Utrecht University — Utrecht, Netherlands
Master of Artificial Intelligence; GPA: 4.0/4.0 — Sep 2023 – May 2025

University of British Columbia — Vancouver, Canada
Master of Computer Science — Sep 2022 – Aug 2023

Beijing University of Posts and Telecommunications — Beijing, China
Bachelor of Software Engineering; GPA: 3.7/4.0 — Sep 2018 – Jul 2022

WORK EXPERIENCE

Huawei — Sep 2025 – Present
Foundation Models Department, Pretraining Group · Intern
- Research large language model architectures and pretraining methods for next-generation foundation models.
- Contribute to design and research on openPangu.

Shanghai Artificial Intelligence Laboratory — May 2025 – Jul 2025
LLM Center · Intern
- Researched and developed multi-agent frameworks and methods based on reinforcement learning.

ACADEMIC RESEARCH EXPERIENCE

EPFL — Sep 2024 – May 2025
Natural Language Processing Group · Master's Thesis Research
Supervisor: Prof. Antoine Bosselut
Contextualized Visual Representation Learning
- Investigated early fusion of context into vision encoders for visual representation learning in multimodal large language models.

Utrecht University — Mar 2024 – Apr 2025
Natural Language Processing Group · Research Intern
Supervisor: Prof. Albert Gatt
COOCO: Investigating Multimodal Context in Referential Communication
- Constructed a machine-generated dataset of objects in visual scenes and collected participant eye-tracking data to study target entity identification.

University of British Columbia Jan 2023 – Aug 2023

Natural Language Processing Group · Master's Student

Supervisor: Prof. Vered Shwartz

CASE: Commonsense-Augmented Score with an Expanded Answer Space

• Built a multiple-choice question answering framework to rescore candidate answers using language models.

Tsinghua University Jul 2020 – May 2022

Institute for Artificial Intelligence · Research Assistant

Supervisor: Prof. Minlie Huang

Generating Decompositions for Implicit Question Answering

• Decomposed implicit questions into simpler, answerable subquestions and used information retrieval to find answers in a database.

A Semantic-based Method for Unsupervised Commonsense Question Answering

• Proposed a semantic-based method for unsupervised commonsense question answering.

PUBLICATIONS

[1] *LoopMoE: Unifying Iterative Computation with Mixture-of-Experts for Language Modeling*
Wenkai Chen, Tianshu Li, Wenyong Huang, Yichun Yin, Lifeng Shang, Chengwei Qin.
EMNLP 2026

[2] *COOCO--Common Objects Out-of-Context--Semantic Violation in Scenes: Investigating Multimodal Context in Referential Communication*
Filippo Merlo, Ece Takmaz, **Wenkai Chen**, Albert Gatt.
TACL 2026

[3] *CASE: Commonsense-Augmented Score with an Expanded Answer Space*
Wenkai Chen, Sahithya Ravi, Vered Shwartz.
Findings of EMNLP 2023

[4] *A Semantic-based Method for Unsupervised Commonsense Question Answering*
Yilin Niu*, Fei Huang*, Jiaming Liang, **Wenkai Chen**, Xiaoyan Zhu, Minlie Huang.
ACL 2021

HONORS AND AWARDS

2020 Language and Intelligence Challenge 5th place