

Zengqing Wu

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EDUCATION

Kyoto University

M.Eng. in Informatics (GPA: 4.1/4.3)

Kyoto, Japan

Oct 2023 – Exp. Sep 2025

Osaka University

B.A. in Human Sciences

Osaka, Japan

Oct 2019 – Sep 2023

SELECTED PUBLICATIONS

Shall We Team Up: Exploring Spontaneous Collaborations of Competing LLM Agents

Sep 2024

EMNLP 2024 findings

Zengqing Wu, Run Peng, Shuyuan Zheng*, Qianying Liu, Xu Han, Brian Inhyuk Kwon, Makoto Onizuka, Shaojie Tang, Chuan Xiao

Large Language Models as Urban Residents: An LLM Agent Framework for Personal Mobility Generation

Sep 2024

NIPS 2024

Jiawei Wang, Renhe Jiang*, Chuang Yang, Zengqing Wu, Makoto Onizuka, Ryosuke Shibasaki, Chuan Xiao

Utilization of Information Entropy in Training and Evaluation of Students' Abstraction Performance and Algorithm Efficiency in Programming

Jan 2024

IEEE Transactions on Education

Zengqing Wu*, Huizhong Liu, Chuan Xiao*

Exploring the Balance Between Computational Thinking and Learning Motivation in Elementary Programming Education: An Empirical Study with Game-based Learning

Jan 2022

IEEE Transactions on Games

Huizhong Liu, Zengqing Wu*, Yili Lu, Ling Zhu

Smart Agent-Based Modeling: On the Use of Large Language Models in Computer Simulations

Nov 2023

arXiv

Zengqing Wu, Run Peng, Xu Han, Shuyuan Zheng, Yixin Zhang, Chuan Xiao*

“Guinea Pig Trials” Utilizing GPT: A Novel Smart Agent-Based Modeling Approach for Studying Firm Competition and Collusion

Jun 2023

Conference on Information Systems and Technology 2023

Xu Han*, Zengqing Wu, Chuan Xiao

A Token-Free Approach to Entity-Based Keyword Search in Classical Chinese

Mar 2024

Forum on Data Engineering and Information Management 2024 (Japan)

Zhongqing Jiang, Zengqing Wu, Chuan Xiao*, Yuya Sasaki, Makoto Onizuka

Token-Free Cross-Lingual Named Entity Recognition for Classical Chinese

Mar 2023

Forum on Data Engineering and Information Management 2023 (Japan)

Zhongqing Jiang, Zengqing Wu, Chuan Xiao*

Modeling Thinking in Science and Engineering Practice (Book)

2024

Shanghai Educational Publishing House

Shouchen Zhu, Zengqing Wu

WORKS TO APPEAR

Toward the Next Step in the Internationalization of Japanese Higher Education: Impact of Academic Internationalization in Japan Dec 2022
Under review
Zengqing Wu*, Yukiko Ishikura

PEER-REVIEWED WORKSHOP PRESENTATION

ICML 2024 Workshop Agentic Markets (AMW @ ICML 2024), Poster Vienna, Austria
Shall We Team Up: Exploring Spontaneous Cooperation of Competing LLM Agents July 2024

Eighth International Workshop on Symbolic-Neural Learning (SNL 2024), Poster Tokyo, Japan
Smart Agent-Based Modeling: On the Use of Large Language Models in Computer Simulations June 2024

PROJECTS

Data Mining of Amazon Reviews Based on Text Sentiment Analysis, Feature Engineering, and Poison Process Mar 2020
Mathematical Contest in Modeling 2020
Zengqing Wu, Zhuofan Wang, Jingyi Zhu

- Advisor: Koichi Fukase, Dean, OU Graduate School of Science
- Award: Meritorious Winner in Mathematical Contest in Modeling 2020 (Top 8%)

The Impact of Grading Systems of Education on Equity, Teaching Efficiency, and Learning Strategies Mar 2021
Osaka University Undergraduate Independent Research Program
Zengqing Wu, Chuan Xiao*

- Advisor: Chuan Xiao, Associate Professor, OU Graduate School of Information Science and Technology

人科の歴史、知識と学生の好奇心を一つに: AI技術に基づくオンライン学術フォーラム Oct 2022
大阪大学人科50周年記念学生プロジェクト
Zengqing Wu, Meihui Zheng

WORK EXPERIENCE AND INTERNSHIP

Computer Center, China Welfare Institute Children's Palace Shanghai, China
Lecturer of Computer Science and Mathematical Modeling (Part-time) Sep 2020 – Present

Osaka University Graduate School of Information Science and Technology Osaka, Japan
Technical Staff (技術補佐員) (Part-time) Jun 2022 – June 2023

Kyoto University Faculty of Engineering (School of Informatics) Kyoto, Japan
Teaching Assistant: Computer Science Laboratory and Exercise 4 – Database Oct 2023 – Dec 2023

Osaka University University of California Office Osaka, Japan
Teaching Assistant: University of California Frontier Science I Apr 2022 – Oct 2022

AWARDS & ACHIEVEMENTS

- DEIM 2024 Sponsor Award (NEC Corporation Award)
第22回日本データベース学会年次大会スポンサー賞 (日本電気株式会社賞)
- Teraura Sayoko Scholarship 2022
寺浦さよ子記念奨学会奨学金
- JASSO Scholarship 2019
- Top 10 Outstanding Youth in Shanghai Changning District (Youth Innovation in Science and Technology) 2018

- Meritorious in Mathematical Contest in Modeling 2020 (MCM/ICM): Top 8%
- Finalist in High School Mathematical Contest in Modeling 2018 (HiMCM): Top 2%
- First Prize of National Olympiad in Informatics in Provinces, Shanghai, China 2015 (NOIP)
- First Prize of Japan Sansu Olympic 2013
- Outstanding in the International Mathematical Modeling Challenge 2021 (IMMC): Top 1% (As supervisor, co-supervisor: Linfeng Dong)
- Meritorious in High School Mathematical Contest in Modeling 2022 (HiMCM): Top 20% (As supervisor)

PEER REVIEW ACTIVITY

International conference: NIPS 2024, ICLR 2025, ICLR 2024 Workshop LLMAgents

International conference (as external reviewer): CIKM 2022, DASFAA 2023, KDD 2023, ADMA 2023, APWeb-WAIM 2024, EMNLP 2024, ADMA 2024

Journal: IEEE Access

SKILLS

Programming: Python, C/C++ (Since 2009), C#, R, Netlogo

Languages: English (TOEFL: 103), Japanese (JLPT-N1), Chinese (Native), Shanghainese

CERTIFICATES

Fundamental Information Technology Engineer Certificate (基本情報技術者)

May 2017

Issued in China