

Congda Ma

Email: ma@lr.pi.titech.ac.jp / derrickmaa20@gmail.com

Tel: (+81) 080-8906-9536

Gender: Male

Web: <https://derrickmaa.github.io>

RESEARCH INTEREST

My research focuses on Natural Language Processing. I am passionate about addressing common issues in Generative AI, such as biases and hallucinations, present in pre-trained language models. I also have a strong interest in multimodal models and am currently engaged in related projects. I am dedicated to contributing to the development of models that generate reliable and trustworthy outputs.

PUBLICATION

CONFERENCE PAPER

Debiasing Large Language Models with Structured Knowledge

Congda Ma, Tianyu Zhao, and Manabu Okumura

Findings of the Association for Computational Linguistics: ACL 2024

Coherent Story Generation with Structured Knowledge

Congda Ma, Kotaro Funakoshi, Kiyooki Shirai, and Manabu Okumura

Proceedings of the 14th International Conference on Recent Advances in Natural Language Processing(RANLP 2023), pp. 681–690, (2023).

Focused Prefix Tuning for Controllable Text Generation

Congda Ma, Tianyu Zhao, Makoto Shing, Kei Sawada, and Manabu Okumura

Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics(ACL 2023), Vol 2, pp. 1116-1127, (2023).

JOURNAL PAPER

Focused Prefix Tuning for Controllable Text Generation

Congda Ma, Tianyu Zhao, Makoto Shing, Kei Sawada, and Manabu Okumura

Journal of Natural Language Processing(JNLP), Vol 31(1), pp. 250-265, (2024).

PRESENTATION

TOPIC: “Coherent Story Generation with Structured Knowledge”
@ RANLP 2023

TOPIC: “Focused Prefix Tuning for Controllable Text Generation”
@ ACL 2023

EDUCATION

Tokyo Institute of Technology

APR 2021 – MAR 2025, Tokyo, Japan

Okumura-Funakoshi Lab

Supervisor: Prof. Manabu Okumura

Japan Advanced Institute of Science and Technology

APR 2019 - MAR 2021, Ishikawa, Japan

Shirai Lab

Supervisor: Prof. Kiyooki Shirai

M.S. in Information Science

Nanjing University of Chinese Medicine

SEP 2011 - JUN 2015, Jiangsu, China

B.S.

EXPERIENCE

Sony Group Corporation (Research Internship)

AUG 2023 - SEP 2023, Tokyo, Japan

rinna (Research Internship)

MAY 2022 - DEC 2022, Tokyo, Japan

Tokyo Institute of Technology (Research Assistant)

MAY 2022 - NOV 2022, Tokyo, Japan

Mitsubishi Heavy Industries (Internship)

JAN 2020- JAN 2020, Kanagawa, Japan

Econess Energy (IT Engineer)

DEC 2015 - MAR 2017, Jiangsu, China

CERTIFICATIONS

2022

Microsoft Certified: Security Operations Analyst Associate
Microsoft Certified: Azure Cosmos DB Developer Specialty

2020

Language and Intelligence Challenge (Machine Reading
Comprehension):Top 5%

2019

JLPT N1

HONORS & AWARDS

Tsubame Scholarship
JAIST Scholarship
Ishikawa Scholarship

SKILLS & OTHERS

LANGUAGES

Chinese (native language)
English (TOEIC:800)
Japanese (JLPT:N1)

GOOD KNOWLEDGE AND SKILLS

Deeplearning
Natural language Processing
Large Language Model
Multimodal
Machine learning