

Yang Boming

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Education

The University of Tokyo

PH.D. IN TECHNOLOGY MANAGEMENT FOR INNOVATION, **SUPERVISOR: MATSUO YUTAKA**

Tokyo, Japan

Apr. 2024 - Mar. 2027 (Expected)

The University of Tokyo

M.S. IN INFORMATION & COMMUNICATION ENGINEERING

Tokyo, Japan

Apr. 2022 - Mar. 2024

The University of Science and Technology Beijing

B.S. IN COMPUTER SCIENCE AND TECHNOLOGY

Beijing, China

Sep. 2015 - July. 2019

Publications

Leveraging Large Language Models for Concept Graph Recovery and Question Answering in NLP Education

(Submitted)EMNLP 2024

RUI YANG, **BOMING YANG**, SIXUN OUYANG, TIANWEI SHE, AOSONG FENG, YUANG JIANG, FREDDY LECUE, JINGHUI LU, IRENE LI

2024

RecPrompt: A Prompt Tuning Framework for News Recommendation Using Large Language Models

CIKM 2024

DAIRUI LIU, **BOMING YANG**, HONGHUI DU, DEREK GREENE, AONGHUS LAWLOR, RUIHAI DONG, IRENE LI

2024

Going Beyond Local: Global Graph-Enhanced Personalized News Recommendations (Best Student Paper)

ACM RecSys 2023

BOMING YANG, DAIRUI LIU, TOYOTARO SUZUMURA, RUIHAI DONG AND IRENE LI

2023

NNKGC: Improving Knowledge Graph Completion with Node Neighborhoods

DL4KG@ISWC 2023

ZIHUI LI, **BOMING YANG**

2023

Experience

RIKEN Center for Computational Science

Tokyo, Japan

RESEARCH ASSISTANT

Apr. 2023 - Present

- Conducted thorough research to identify potential datasources and performed comprehensive data preprocessing to extract valuable datasets.
- Employed advanced deep time-series techniques and traditional methods for accurate forecasting, while also exploring the implementation of Ensemble Learning to capture the combined insights from multiple models.

SmartNews Co., Ltd., Japan

Tokyo, Japan

RESEARCH INTERN

Aug. 2023 - Mar. 2024

- Devised and executed superior keywords extraction techniques to augment the precision of recall in recommendation systems.
- Undertook exploratory research on LLM's potential for keywords extraction.

BestSkip Co., Ltd., Japan

Tokyo, Japan

ALGORITHM ENGINEER

Apr. 2021 - Mar. 2022

- Developed a real-time location algorithm resulting in improved calculation speed and increased signal processing capabilities.
- Invented a uxiliary methods to overcome indoor positioning height instability and dynamically control the smoothness of the trajectory.

FMA Co., Ltd., China

Beijing, China

ALGORITHM INTERN

Mar. 2018 - Aug. 2019

- Restructured the sub-graph isomorphism algorithm VF2 and TurboISO on graph calculation engine Gemini and accomplished the single-node version and multi-node version.
- Transferred classical serial Lovain algorithm to parallel and distributed versions to get 9.6X speed performance promotion. Used sync & acsync model frame to adjust automatically according to varies computation enviroments.

Honors & Awards

2023 **Best Student Paper**, ACM RecSys 2023

Singapore

2019 **Outstanding Graduate Honor**, University-level

Beijing, China

2018 **International Second Price**, ASC 18 Student Supercomputer Challenge

Nanchang, China

2017 **National First Price Scholarship**, University-level

Beijing, China