BIN WU

90 High Holborn, London, UK

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EDUCATION

University College London   *September, 2023 - September, 2027 (expected)*
PhD Student, Computer Science
Department of Computer Science
Thesis: Bayesian Online Meta-learning for Personalized Product Search
Supervisor: Prof. Emine Yilmaz

Sun Yat-sen University   *August, 2020 - July, 2022*
Master Degree, Software Engineering   GPA: 3.9/4.0
School of Computer Science and Engineering
Supervisor: Prof. Shangsong Liang

Sun Yat-sen University   *August, 2016 - July, 2020*
Bachelor Degree, Software Engineering   GPA: 3.6/4.0
School of Computer Science and Engineering

RESEARCH INTEREST

Large Language Model, Personalisation, Information Retrieval, Meta-Learning, Continual Learning,

RESEARCH EXPERIENCE

University College London   London, United Kingdom
Department of Computer Science   *September 2023 - Present*

Personalisation of Large Language Models
Supervisor: Prof. Emine Yilmaz and Dr. Edgar Meij

City University of Hong Kong   Hong Kong, China
Department of Computer Science   *May 2023 - September 2023*

Continual Learning in Large-scale Pre-trained Model
Supervisor: Dr. Ying Wei

Zhejiang University   Hangzhou, China
Global Scientific and Technological Innovation Center   *July 2022 - April 2023*

Efficient Meta-Learning for Heterogeneous Few-shot Learning
Supervisor: Dr. Qiang Zhang

Sun Yat-sen University   Guangzhou, China
Information Retrieval and Data Mining Lab   *May 2020 - July 2022*

Meta-learning for Few-Shot Data Stream
Supervisor: Prof. Shangsong Liang, Dr. Zaiqiao Meng, and Dr. Qiang Zhang

PUBLICATION

Bin Wu, Jinyuan Fang, Xiangxiang Zeng, Shangsong Liang, Qiang Zhang. Adaptive Compositional Continual Meta-Learning. The International Conference on Machine Learning 2023 (ICML). Full paper.

Bin Wu, Zaiqiao Meng, Qiang Zhang, Shangsong Liang. Meta-learning Helps Personalized Product Search. The Web Conference 2022 (WWW). Full paper.

Bin Wu, Zaiqiao Meng, Shangsong Liang. Dynamic Bayesian Contrastive Predictive Coding Model for Personalized Product Search. ACM Transactions on the Web (TWEB), 2023.

Xiang Zhuang, Qiang Zhang, **Bin Wu**, Keyan Ding, Yin Fang, Huajun Chen. Graph Sampling-based Meta-Learning for Molecular Property Prediction. The International Joint Conference on Artificial Intelligence 2023 (IJCAI). Full Paper.

Ming Qin, Keyan Ding, **Bin Wu**, Huajun Chen, Qiang Zhang. Active Finetuning Protein Language Model: A Budget-Friendly Method for Directed Evolution. The European Conference on Artificial Intelligence 2023 (ECAI). Full Paper.

Bin Wu, Yuehong Wu, Shangsong Liang. Data-Hungry Issue in Personalized Product Search. The 22nd International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT). Short paper. 2021.

PROJECT EXPERIENCE

A Large Language Model for Biochemistry   Hangzhou, China
Zhejiang University   *March 2023 - Present*
Served as a core team member.

A Large Open-Source Library for Pre-trained Protein Models   Hangzhou, China
Zhejiang Univeristy   *Sept 2022 - March 2023*
Served as a Contributor

A Community-Sharing Decentralized Application based on Blockchain   Guangzhou, China
Sun Yat-sen Univeristy   *Jan 2019 - July 2019*
Served as a team leader

HONORS & AWARDS

Bloomberg Data Science Ph.D. Fellowship   2023
Bloomberg, New York, USA

Outstanding Graduates of Sun Yat-sen University   2022
Sun Yat-sen University, Guangzhou, China
Only 5% graduates are awarded

The First Prize Graduate Scholarship of Sun Yat-sen University   2021
Sun Yat-sen University, Guangzhou, China
Only 10% graduate students are awarded

The First Prize in Software Innovation Competition of Sun Yat-sen University   2019
Sun Yat-sen University, Guangzhou, China

The Undergraduate Scholarship of Sun Yat-sen University   2017
Sun Yat-sen University, Guangzhou, China

TEACHING EXPERIENCE

University College London
Teaching Assistant

· Information Retrieval and Data Mining (COMP0084)   Spring 2024

· Machine Learning for Data Science (CEGE0004)   Spring 2024

Sun Yat-sen University
Teaching Assistant

· Machine Learning and Data Mining   Spring 2022

WORK EXPERIENCE

Research Assistant in AI   *May 2023 - September 2023*
City University of Hong Kong, Hong Kong, China   *Full-Time*

Research Assistant in AI   *July 2022 - April 2023*
Zhejiang University, Hangzhou, China   *Full-Time*

Quantitative Research Intern   *May 2019 - August 2019*
JoinQuant   *Internship*

SKILLS

Programming skills: C, C++, Python, Pytorch, LaTex, Unix Shell Scripting.
Languages: Chinese (Native), Teochew (Native), English (Fluent).
Interest: Playing Go, Chinese Calligraphy.

MISCELLANOUS

I have experience reviewing papers in conferences (e.g., ICML, NeurIPS, EMNLP, PDCAT) and making presentations in conferences (e.g., WWW, PDCAT).