Tianle Wang (Louis)

Email: louis.wng@outlook.com **GitHub**: Link **Website**: Link

Phone: (+86) 18991876691 **Google Scholar**: Link **Citizenship**: China

Research interests

Data Mining, Recommender Systems, Large Language Models

Education

The University of Hong Kong   Hong Kong, China

MPhil in Computer Science   Sep. 2022 - present
Data Intelligence Lab@HKU
Supervisor: Prof. Chao Huang.

Beijing University of Posts and Telecommunications   Beijing, China
B.Eng. in Computer Science   Sep. 2018 – Jul. 2022
*GPA: **90.05**/100 Rank:**1**/69*

Publications

Denoised Self-Augmented Learning for Social Recommendation

Tianle Wang, Lianghao Xia, Chao Huang*.
International Joint Conference on Artificial Intelligence (IJCAI), 2023.

SSLRec: A Self-Supervised Learning Library for Recommendation
Xubin Ren, Lianghao Xia, Yuhao Yang, Wei Wei, **Tianle Wang**, Xuheng Cai, Chao Huang*.
ACM International Conference Web Search and Data Mining (WSDM), 2023.

Modeling review helpfulness with augmented transformer neural networks
YunKai Xiao†, **Tianle Wang**†, Edward F. Gehringer*.
IEEE International Conference on Semantic Computing (ICSC), 2022.

Attention-enhanced Graph Cross-convolution for Protein-Ligand Binding Affinity Prediction
Xianbing Feng†, Jingwei Qu†, **Tianle Wang**, Xiaoqing Lyu*.
IEEE International Conference on Bioinformatics and Biomedicine (BIBM), 2021.

Semantic Alignment Learning Based on Triple Sampling Method
Jingwei Qu, Xiaoqing Lyu, **Tianle Wang**.
Patent for Invention (Patent Application Number: 202110516741.5).

Research experience

Wangxuan Institute of Computer Technology (WICT), Peking University — Supervisor: **Prof. Xiaoqing Lyu**

Hyper-edge Based Neural Network for Drug-Target-Disease Interaction Prediction   May 2021 – Jul. 2021

Attention-enhanced Graph Cross-convolution for Protein-Ligand Binding Affinity Prediction   May 2021 – Aug. 2021

Relation-Aware Keypoint Matching with Space-Spanned Feature   Sep. 2020 – Nov. 2020

Semantic Alignment Learning Based on Triple Sampling Method   Sep. 2020 – Dec. 2020

North Carolina State University — Supervisor: **Prof. Edward F. Gehringer**

Effective Active Learning in Students' Educational Annotation   Jan. 2021 – Jun. 2021

Modeling Review Helpfulness with Augmented Transformer Neural Networks Jan. 2021 – Sep. 2021

University of Cambridge — Supervisor: **Prof. Pietro Lio'**

Semi-supervised Learning for Graph Matching   Apr. 2021 – Sep. 2021

School of Ye Peida, BUPT — Mentor: **Prof. Duanling Li**

Design of the Intelligent Six-Feet Paratrooper Robot   Jun. 2020 – May 2021

School of Science, BUPT — Mentor: **Prof. Sihai Wang**

Intelligent Code   Jun. 2020 – May 2021

School of Computer Science, BUPT — Mentor: **Prof. Ke Xu**

A Characterized Food Recommendation Application (Code)   Oct. 2019 – Apr. 2020

Industry experience

Beijing Knowledge Atlas Technology Co., Ltd   Beijing, China

Algorithm Engineer   Apr. 2021 – May 2021

Finetuned the OAG-BERT and completed the ablation experiments on text information of title/abstract.

Skills

Programming

Familiar with: PyTorch, Python, Linux, C/C++, LaTeX.

Languages

Chinese (native), English(fluent)

IELTS: **7.0** (L 7.5; R 7.5; W 6.5; S 5.5); Duolingo English Test: **105**

Honors and scholarships	Beijing outstanding graduates	2022
	1st Prize of the "Challenge Cup" Capital Undergraduate Curricular Academic Science and Technology Works by Race (Beijing)	2021
	Huawei Scholarship (selected from the School's 1st-class Scholarship winners) (BUPT)	2020
	2nd Prize of the 10th Beijing College Mechanical Innovation Competition (Beijing)	2020
	3rd Prize of the 5th China College Students' 'Internet Plus' Innovation and Entrepreneurship Competition (Beijing)	2020