

LU Yuxing

Second Year, PhD Candidate
Biomedical Engineering
Department of Big Data and
Biomedical AI,
College of Future Technology,
Peking University
Adviser: Kang Zhang, Jinzhao Wang

Links

Google Scholar: [Yuxing Lu](#)
GitHub: [YuxingLu613](#)

Education

2018-2022 Soochow University
B.Eng in Artificial Intelligence
Overall GPA: 3.8
Advisor: Zhixu Li

Language Proficiency

IELTS (2021)
Overall 7.5(L8, R8.5, W6.5, S6.5)
GRE (2021)
169(Q)+152(V)+4.0(AW)

Scholarships

Scholarship of Virtue Students(14/yr)
from Jiangsu Education Foundation
Scholarship of Academic Excellence
from Soochow University

Honors

Top 100 Volunteers
from Peking University
Merit Student
from Peking University

Skills

OS
Linux, Windows
LANGUAGES
Java, Python, javascript, Matlab
OTHERS
Pytorch, Vue, WXss,
Markdown, Git, Vim,
VScode, IDEA, Pycharm,
Teaching Certificate

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Research Experience

- 2021 **National University of Singapore (Suzhou)** **Research Intern**
Established a QA system based on a knowledge base with over 27,000 pregnancy queries and answers using the Knowledge Graph.
- 2021-2022 **Huawei Technologies Co., Ltd.** **AI Engineer(Intern)**
Serve as an AI Intern in the department of HMS Cloud Service.

Publications

- 2023 Guangyu Wang*, Xiaohong Liu, Zhen Ying, Guoxing Yang, Zhiwei Chen, Zhiwen Liu, Min Zhang, Hongmei Yan, **Yuxing Lu**, Yuanxu Gao, Kanmin Xue, Xiaoying Li*, Ying Chen*. Optimized glycemic control of type 2 diabetes with reinforcement learning: a proof-of-concept trial. *Nature Medicine*.
- 2023 **Yuxing Lu**, Rui Peng, Lingkai Dong, Kun Xia, Renjie Wu, Shuai Xu, Jinzhao Wang*. Accurate cancer diagnosis and prognosis using integrated multiomics data with HTML. *Briefings in Bioinformatics*.
- 2023 **Yuxing Lu**, Xiaohong Liu, Yuanxu Gao, Guangyu Wang*. MedKPL: a heterogeneous knowledge enhanced prompt learning framework for transferable diagnosis. *Journal of Biomedical Informatics*.
- 2023 **Yuxing Lu**, Xukai Zhao, Jinzhao Wang*. Medical knowledge enhanced prompt learning for diagnosis classification from clinical text. *ACL 2023*.

2020-2022 **Two Software Copyrights and one Arxiv Paper**

Project Experience

- 2021 **Deecamp AI Training Camp** **EEG Sentiment Analysis**
Applied Dynamic Graph Convolutional Neural Network(DGCNN) model to perform sentiment analysis tasks with EEG signals.
- 2020 **National Training Program for Innovation and Entrepreneurship**
Team leader. Established an instant recommendation system (implemented by Wechat Mini-Program) for multiple users by collecting online data and creating a business portrait KG using Protégé.

Awards

- 2022 **Lanqiao Cup Computing Competition** **Second Prize(National)**
- 2021 **China Software Cup Software Competition** **Second Prize(National)**
- 2020 **Challenge Cup Innovation Competition** **Silver Medal(Provincial)**

Student Work

- 2023- **Teaching Assistant for the following courses**
a) 23 Fall Multiomics AI Methods
b) 23 Fall Seminar in Medical AI
- 2022- **Student Assistan for International Students Office**
- 2019- **Executive Director of Volunteers Association for Autism Child**