

ZIYUE (JULIUS) YU

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RESEARCH INTERESTS

Medical Informatics, Data Mining in Healthcare, Disease Risk Prediction

EDUCATION

PhD in Computer Applied Technology, Macao Polytechnic University (MPU) Now
Primary Supervisor: [Prof. Giovanni Pau](#) (University of Bologna / University of California, Los Angeles)
Co-supervisors: [Prof. Tansim \(Rita\) Tse](#), [Dr. Wuman \(Amy\) Luo](#)
MSc in Advanced Information Systems, Hong Kong Baptist University July 2020
BSc in Computer Science and Technology, Zhejiang Chinese Medical University (Binjiang) June 2019

PUBLICATIONS

- “Multi-Perspective Patient Representation Learning for Disease Prediction on Electronic Health Records”
Ziyue Yu, Jiayi Wang, Wuman Luo, Rita Tse, Giovanni Pau.
Under review by Knowledge and Information Systems, 2024. [CCF-B, SCIE JCR Q3, IF:2.7]
- “Personalized Document Level Sentiment Analysis: A Systematic Literature Review”
Wenhao Zhu, Jiayue Qiu, **Ziyue Yu**, Wuman Luo.
Under review by Neurocomputing, 2023. [CCF-C, SCIE JCR Q2, IF: 6.0]
- “MPRE: Multi-perspective Patient Representation Extractor for Disease Prediction”
Ziyue Yu, Jiayi Wang, Wuman Luo, Rita Tse, Giovanni Pau.
23rd IEEE International Conference on Data Mining (ICDM), 2023. [CORE A*, CCF-B, EI]
Regular Paper (acceptance rate: 9.37%), **selected as one of the best-ranked paper**
- “UCM: Personalized Document-level Sentiment Analysis Based on User Correlation Mining”
Jiayue Qiu, **Ziyue Yu**, Wuman Luo.
19th International Conference on Intelligent Computing, 2023. [CCF-C, EI]
- “DMNet: A personalized risk assessment framework for elderly people with type 2 diabetes”
Ziyue Yu, Wuman Luo, Rita Tse, Giovanni Pau.
IEEE Journal of Biomedical and Health Informatics, 2023. [CORE A*, SCIE JCR Q1, IF: 7.7]
Medical Informatics Cover Paper
- “Deep learning hybrid models for COVID-19 prediction”
Ziyue Yu, Lihua He, Wuman Luo, Rita Tse, Giovanni Pau.
Journal of Global Information Management, 2022. [SSCI JCR Q2, IF: 4.7]
- “Deep learning for covid-19 prediction based on blood test”
Ziyue Yu, Lihua He, Wuman Luo, Rita Tse, Giovanni Pau.
6th International Conference on Internet of Things, Big Data and Security (IoTBDS), 2021. [EI]
Best Student Paper Award

SELECTED HONORS AND AWARDS

- MPU Macao PhD Full Scholarship 2020 - 2023
- IoTBDS Best Student Paper Award 2021
- Hong Kong Baptist University Merit Scholarship 2020
- The Second Prize of Network and Information Security Contest in Zhejiang 2018
- The Second Prize of Physics Technology Innovation Contest at Zhejiang Chinese Medical University 2018
- The Third Prize of Statistical Investigation Scheme Design Contest in Zhejiang 2017
- The Third Prize of Mathematical Contest in Modeling in Jiangsu 2016

INVITED PRESENTATIONS

- Machine Learning on Graph, Faculty of Applied Sciences, Macao Polytechnic University 2022
- Graph Representation Learning, School of Medical Technology, Zhejiang Chinese Medical University 2021
- How to Give an Effective Presentation, Faculty of Applied Sciences, Macao Polytechnic University 2021
- Deep Learning on Graph, Institute of Chinese Medical Sciences & State Key Laboratory of Quality Research in Chinese Medicine, University of Macau 2021

ACADEMIC ACTIVITIES

- Oxford Machine Learning Summer School June 2022 & August 2022
- Machine Learning Summer School, Taipei, Taiwan August 2021

PROFESSIONAL MEMBERSHIP

- Institute of Electrical and Electronics Engineers (IEEE) Graduate Student Member

TEACHING EXPERIENCE

- COMP112 Programming I (Teaching Assistant), 2022/2023
- COMP8122 Selected Topics in Big Data and Smart Society (Teaching Assistant), 2022/2023
- COMP6126 E-commerce with Big Data (Teaching Assistant), 2022/2023
- COMP6132 Introduction to Big Data (Teaching Assistant), 2023/2024

SERVICES

- Conference Reviewer: ICDCS 2022 - 42nd International Conference on Distributed Computing Systems
- Conference Reviewer: ArtInHCI 2023 - International Conference on Artificial Intelligence and Human-Computer Interaction