

Ruisi Li

D.O.B: 11/16/2002

Tel: 86-13511115512

Email: liruisi@nyu.edu

EDUCATION BACKGROUND

School of Computer Science, South-Central Minzu University

Wuhan, China

Bachelor of Engineering in Software Engineering GPA: 3.59/4.0

09/2020-Present

Skills: Python, Java, C, SQL

PUBLICATIONS

Ruisi Li, Renwei Ou, Dejun Wang, An Innovative Similar Complaint Recommendation Model Integrating Semantic and Graph Embeddings, published by IEEE-ISPDS in 2023, indexed by EI

Ruisi Li, Yilin Kang, Renwei Ou, Dejun Wang, A Gerontolinguistics-Aware Similar Case Recommendation Method for 12345 Public Service Hotline, accepted by IJCAI 2023 The 3rd AI for Ageless Aging Workshop (AIAA)

Xinguang Li, Xiaoning Li, Xiaolan Long, Shuai Chen, and **Ruisi Li**, A Review of Research on Automatic Scoring of English Reading, published in Advances in Natural Computation, Fuzzy Systems and Knowledge Discovery, Proceedings of the ICNC-FSKD 2022, P773-780

Yan Long, XinGuang Li, Shuai Chen, ShenBin Zhang, ShanXian Ma, **RuiSi Li**, An AHP-based Computer Evaluation Model for College Students English Pronunciation Quality*, included by ACM Digital Library and indexed by EI

Xinguang Li, Chuhua Liang, Shanxian Ma, Congcong Liu, Shuai Chen, **Ruisi Li** and Haoxin He, A New Type of Chinese Speech Synthesis Technology and System Research, ICCTIT-2021, indexed by EI

RESEARCH EXPERIENCE

Intelligent Citizen Complaint Handling Project

04/2022-07/2023

Position: Project Leader

Advisor: Dr. Yilin Kang and Dr. Dejun Wang

Key Laboratory of Information Physics Integration and Intelligent Computing of the National Civil Affairs Commission

- Used AI technology especially natural language processing algorithm to assist Wuhan's "12345 Citizen Complaint Hotline" to carry out intelligent transformation, aiming to improve the accuracy and efficiency of hotline response to public demands
- Data analysis:** applied pandas, word cloud, Sankey diagram, and algorithms like TF-IDF and LDA to analyze the distribution characteristics of citizen complaints in terms of time, place and gender
- Model design:** propose a novel sample-building strategy called LSimCSE (Long-form Text Sample Building Method for Contrastive Learning of Unsupervised Sentence Embedding) to identify similar citizen complaint text and published it in IJCAI 2023 The 3rd AI for Ageless Aging Workshop (AIAA); proposed BERT-Graph that recommends historical complaint to pending complaint through a dual-tower recommendation model integrating semantic and graph embeddings, which includes an event interact graph to avoid implying sole reliance on semantic information, and published in IEEE-ISPDS 2023

PROFESSIONAL EXPERIENCE

Capgemini China

Shenzhen, China

Position: Assistant IT Consultant

06/2022-09/2022

Advisor: Bryan Zhang, Head of Applied Innovation Exchange Capgemini China

- Analyzed the basic five-layer architecture model of game engine and focused on the workflow of DLSS (deep learning super sampling) algorithm in the Omniverse and the industrial metaverse proposed by BMW
- Received the delegation from the University of Melbourne and organized interactive sessions to share insights about our work's relevance in the context of the metaverse, and the significance of the consulting profession
- Aided in building MLOps (Machine Learning Operations) for AI model management

PROJECT EXPERIENCE

Google

Remote

Position: Assistant Software Engineer

03/2021-04/2021

Advisor: Hang Yin, Software Engineer

- Conducted real-time statistics of hot - selling products based on Kafka and Flink Stream
- Detected the abnormal user login in real time with the complex combing engine based on Flink CEP
- Analyzed online timeout details based on real-time user order stream

HONORS&AWARDS

- Best Practice Award in the Beijing Big Data Skills Competition, Municipal Level 09/2022
- First Prize in the 8th National College Students Statistical Modeling Contest, Provincial Level 08/2022
- First Prize in National College Students English Writing Contest (preliminary Contest)(Scale: 5%) 11/2020