Lehan Wang

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Education

Harbin Institute of Technology, Harbin, China 2019 – Present

Junior in Computer Science, Honors School, expected to graduate in July 2023
GPA: 94.17 / 100 **Rank**: 4 / 68
Major Courses: Calculus, Linear Algebra, Discrete Math, Probability and Statistics, Machine Learning, Natural Language Processing

Honors and Awards

National Scholarship 2021
Kwang-Hua Scholarship 2020
People's Scholarship in China, First Prize 2019-2021
Contemporary Undergraduate Mathematical Contest in Modeling(CUMCM), Second Prize 2021
National English Competition for College Students(NECCS), Second Prize 2020
Chinese Mathematics Competitions(CMC), Second Prize 2020
Excellent Student 2020-2021

Research

Research Center for Social Computing and Information Retrieval(SCIR) 2020 – Present

Intern Supervised by Ph.D. Libo Qin and Prof. Wanxiang Che

Research Fields: Task-oriented Dialogue System, Spoken Language Understanding

Survey on Spoken Language Understanding Jan. 2021

Investigate the trend of development and summarize the latest advances and prospects of SLU.

Typo-based Spoken Language Understanding Jan. 2022 – Present

SLU system suffers from a sharp decline in performance when confronted with typos in test data. We are working to propose datasets and frameworks aimed at alleviating the phenomenon.

Lifelong Learning in Spoken Language Understanding Jan. 2022 – Present

The metric of lifelong learning has been proved to achieve outstanding performance in fields such as Dialogue State Tracking and Machine Translating. Thus, we are making efforts to apply continual learning to SLU through adapters based on Transformer and anticipating remarkable results.

Projects

Awesome-SLU-Survey 2021

Contributor An attached open-source Github repository for the SLU survey, which has received over 500 stars until now.

Research on Discilpines of Semantics Comprehension based on fNIRS 2020 – 2021

Core Member We are aimed at exploring the rules of semantics comprehension through the signal changes stimulated by Chinese words.

Construction of a VR piano based on Leap-Motion 2019 – 2020

Core member A VR piano game based on C# programming language, Unity Platform and Leap-Motion. Awarded the first prize.

Community Work

Secretary of the Academic Committee, MLNLP World 2021 – Present

MLNLP World is the largest community of natural language processing all over the world, anticipating to encourage the communication and progress across the field of NLP.

Personal Skills

- Programming Language: C/C++, Python, Java
- English Skill: IELTS 7.5 (L 8.5, R 9.0, W 7.0)