

Zhang Rui

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Educational Background

Huazhong University of Science and Technology

09/2019-07/2023

Major: Computer Science and Technology

GPA: 3.96/4.0; 90.9/100

Internship Experience

BOSCH Group (Shanghai)

07/2022-Present

Position: Intern, CR/RIX-AP (Central Research/Research of Intelligent ComputerX-Asian Pacific)

- Automated driving Intelligent-Connected-Vehicle V2X reliable edge computing system development
- Assisted mentor to complete RDS (Reliable Distributed System) related research and development work
- Currently working on GPU virtualization and K8s heterogenous cluster setup, including kubernetes, docker and other related deployment work, as well as CV pipeline decomposition, research task offloading in the field of autonomous driving applications

Research Experience

Clustering and Grid Computing Lab-Homogeneous Graph Representation Learning (HUST)

2020-2021

- Researched on homogeneous graph representation learning, focused on the design of embedding methods, improved graph neural networks (GNN, GCN, cluster-GCN, etc.), and achieved efficient embedding of large graphs

Clustering and Grid Computing Lab-Heterogeneous Graph Representation Learning (HUST)

2021-2022

- Researched the embedding of heterogeneous large graphs, improved the embedding methods of heterogeneous graphs (random walk, HGCN, etc.), and achieved efficient embedding of heterogeneous large graphs

Bosch CR/RIX-AP (Central Research/Research of Intelligent Computer X-Asian Pacific)-task offloading in intelligent connected vehicles

2022

- Researched on how to use task offloading in autonomous driving scenarios to help the vehicle side to complete tasks better with real-time and reliability with dependency and safety between tasks, and helped mentor to write Invention Report

Summer Workshop: Cloud Computing with Big Data (National University of Singapore)

2021

- Understood the cloud computing in one week and did a project in two weeks
- Developed a music playback web by AWS cloud; deployed back-end tasks by FaaS to implement recommendation function

Extracurricular Activities

Volunteer of Wuhan Children's Library

2020-2021

Surveyed on access to medical care in poor areas in Hangzhou Qiandao Lake poor area

2021

Represented Iceland held a discussion on Exploration and Exploitation on Marine Renewable Resources in HUST UNEP 2020

2018

Went and worked in the countryside in Hunan Jinggang Mountain organized by the school

Participated in the debate team and acted as the team leader

2019-2020

- Have debated on themes on:

A. Should we encourage silver-haired people and work?

B. Does public opinion focus on judicial trials do more good than harm, or more harm than good?

C. In the era of big data, which is more worthy to be advocated, to make use of the benefits of personal information or to protect personal information security?

Honors

Third Prize of C/C++ Programming University Group A of the 13th Blue Bridge Cup National Software and Information Technology Professionals Competition, Hubei Campus

2022

Outstanding Individuals in the Summer Culture, Science, Technology and Health “Three Villages” Practice Activities of HUST	
University Volunteers	2021
Scholarship for Community Engagement in Huazhong University of Science and Technology	2020-2021
Scholarship for Academic Excellence in Huazhong University of Science and Technology	2019-2020
Scholarship for Community Engagement in Huazhong University of Science and Technology	2019-2020
Scholarship for Extracurricular Activities and Sports in Huazhong University of Science and Technology	2019-2020
Scholarship for Self-improvement in Huazhong University of Science and Technology	2019-2020
Second Prize of HUST Final of “FLTRP Cup” English Public Speaking Contest	2020
Outstanding Performance of the 13th HUST Model United Nations Conference	

Others

Hobbies: Piano, Saxophone, Singing, Basketball, Tennis

TOEFL: 105 (Reading 29; Listening 29; Speaking 21; Writing 26)