

Zhisheng Qi

+86 150-8246-6929 | charlieqi02@gmail.com

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RESEARCH INTERESTS

My research interests primarily lie in the domains of graph neural networks and machine learning, with a particular emphasis on reasoning over dynamic systems, such as temporal knowledge graphs, and graph representation learning. Additionally, I am open to extending my research interests to related fields, including causal inference.

EDUCATION

- **Hainan University** Sep. 2021 - Jun. 2025 (expected)
B.E. in Artificial Intelligence GPA: 3.84/4.00, Rank: 2/90

RESEARCH EXPERIENCE

- **Student Researcher** Feb. 2023 - present
Hainan University, Haikou, Hainan
 - **Supervisor:** Siling Feng
 - **Project:** Dynamic Recommendation Method Based on Temporal Knowledge Graph
 - * Developed advanced methods for extrapolation in temporal knowledge graphs and addressed normalization issues in hyperbolic models.
 - * **Publication:** One paper [S.1] submitted to AAAI 2025.
- **Research Assistant** Oct. 2023 - Mar. 2024
Hainan University, Haikou, Hainan
 - **Mentor:** Cong lin
 - **Project:** Intelligent Auxiliary Diagnosis Methods
 - * Assisted in data collection, experimental design, manuscript preparation, and review process management.
 - * **Publication:** One paper [J.1] published in Sensors, and one paper [J.2] published in JoS.
- **Student Researcher** Feb. 2022 - Dec. 2022
Hainan University, Haikou, Hainan
 - **Supervisor:** Zhenjia Chen
 - **Project:** Sea Surface Target Detection
 - * Developed softwares and methods for maritime target localization on embedded systems utilizing rotation matrices.
 - * **Publication:** Two softwares [P.1][P.2] registered.

TEACHING EXPERIENCE

- **Teaching Assistant** Spring 2024
University of Waikato, Haikou, Hainan
 - **Lecturers:** Imran Khaliq and Jibril Muhammad Adam
 - **Course:** COMPX101 - Introduction to Programming

PUBLICATIONS

J=JOURNAL, P=COMPUTER SOFTWARE COPYRIGHT, S=IN SUBMISSION

- [S.1] Siling Feng*, Zhisheng Qi*, and Cong Lin. From Semantics to Hierarchy: A Hybrid Euclidean-Tangent-Hyperbolic Space Model for Temporal Knowledge Graph Reasoning. Preprint on ArXiv (submitted to AAAI-25).
- [J.2] Siling Feng, Zhisheng Qi, Guirong Zhang, Cong Lin, and Mengxing Huang. (Year). FCNet: A Deep Neural Network Based on Multi-Channel Feature Cascading for Image Denoising. The Journal of Supercomputing, 2024.
- [J.1] Wenling Wang, Qiaoxin Zhang, Zhisheng Qi, and Mengxing Huang. CenterNet-Saccade: Enhancing Sonar Object Detection with Lightweight Global Feature Extraction. Sensors, 2024.
- [P.2] **Software for Maritime Target Localization Based on Gyroscope Attitude.** Zhisheng Qi, and Zhenjia Chen. Application number: 10732556 (filed on Sep. 11, 2022). Registration number: 2023SR0145385 (registered on Jan. 28, 2023).
- [P.1] **Software for Embedded Visual Target Localization on the Sea Surface Based on Attitude Angles and Dual-Axis Cameras.** Zhisheng Qi, and Zhenjia Chen. Application number: 10732557 (filed on Sep. 4, 2022). Registration number: 2023SR0145386 (registered on Jan. 28, 2023).

HONORS AND AWARDS

- **National Endeavor Fellowship**

Hainan University

Oct. 2022, Oct. 2023

SKILLS

- **Programming Languages:** Python, C, C#, Java, etc.
- **Frameworks:** Pytorch, Scikit-Learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn, Networkx, Flask, etc.
- **Tools:** L^AT_EX, Git, etc.

REFERENCES

1. **Siling Feng**
Professor, Information and Communication Engineering
Hainan University
Email: fengsiling@hainanu.edu.cn
2. **Zhenjia Chen**
Associate Professor, Vice Dean, Information and Communication Engineering
Hainan University
Email: zjchen@hainanu.edu.cn
3. **Imran Khaliq**
Senior Lecturer, Computing and Mathematical Sciences
University of Waikato
Email: imran.khaliq@waikato.ac.nz
4. **Cong Lin**
Associate Professor, Electronic and Information Engineering
Guangdong Ocean University
Email: lincong@gdou.edu.cn