

# Zhisheng Qi

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 Github |  G-Scholar |  Homepage

## 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 common sense reasoning and 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-25.
- **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. (In submission 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

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- **National Endeavor Fellowship**

*Hainan University*

*Oct. 2022, Oct. 2023*

## SKILLS

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- **Programming Languages:** Python, C, C#, Java, etc.
- **Frameworks:** Pytorch, Scikit-Learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn, Networkx, Flask, etc.
- **Tools:** L<sup>A</sup>T<sub>E</sub>X, Git, etc.

## REFERENCES

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1. **Siling Feng**
2. Professor, Information and Communication Engineering  
Hainan University  
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3. **Zhenjia Chen**  
Associate Professor, Vice Dean, Information and Communication Engineering  
Hainan University  
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4. **Imran Khaliq**  
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