

# Gao LuYuan

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GitHub  
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## Education

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**Chongqing University of Technology**

*Master of Science in Computer Science*

Sep.2021 studies began – Present

*Chongqing, China*

**Henan University**

*Bachelor degree in Network Engineering*

Sep.2016 studies began – Jun.2020 studies ended

*Kaifeng, Henan, China*

## Research Experience

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**National Statistical Science Research Project**

*Chongqing University of Technology*

Sep.2021 started – Aut.2022 ended

*Chongqing, China*

- Extraction of spatio-temporal data features using temporal and spatial convolution.
- Using the RNN component to update the weight parameters of the GCN model.
- Visualization of results

**CQUT Graduate Research Innovation Fund Project**

*Chongqing University of Technology*

Dec.2021 started – Mar.2023 ended

*Chongqing, China*

- Complex network key node mining problem definition, modeling.
- Convert the critical node mining problem into a regression problem.
- Investigate the application of graph convolutional neural networks in the mining of key nodes of complex networks.

## Research Publications

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Key Node Identification Method Integrating Information Transmission Probability and Path Diversity in Complex Network[J]. The Computer Journal, 2022, JCR Q3 IF=1.76

## Awards & Honors

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**2022 Scholarship for Graduate Studies**

*Chongqing University of Technology*

First Class

2022

**Outstanding Graduate Student**

*Chongqing University of Technology*

Top 15%

2022-2023

**Technology Advanced Innovation Individual**

*Chongqing University of Technology*

Top 10%

2022-2023

**Henan University Scholarship**

*Henan University*

Top 10%

2018-2019-2020

**Three good students in Henan Province**

*Henan Provincial Department of Education*

Top 1%

2019

**China Student Computer Design Competition**

*China Student Computer Design Competition Organizing Committee*

National Third Prize

2019

**Three good students of Henan University**

*Henan University*

Top 10%

2018-2019-2020

**Outstanding Officers of Henan University**

*Henan University*

Top 10%

2018-2019

### *Specialized Skills*

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**Programming Languages:** Python (Skilled), Java (Average), C/C++(Average)

**Deep Learning Framework:** Pytorch(Skilled), PyG(Skilled),Tensorflow(Average)

**Other:** Tex(Skilled), Markdown(Skilled)

### *Other Interests*

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**Athletics:** Badminton

**Read:** Philosophy:<Relationship: Bridge to the Soul>,Psychology:<Counselling For Toads: A Psychological Adventure>,Novel:<The Razor's Edge>,Prose:<Twelve Letters to Youth>