

# Junbo Wang

No.29, Xueyuan Road, Haidian District, Beijing, China

☎ +86 15143709198 ✉ [junbowang@email.cugb.edu.cn](mailto:junbowang@email.cugb.edu.cn)

## Education

**China University of Geosciences**

*B.E in Computer Science and technology GPA: 87/100*

**Sep. 2021 – present**

*Beijing, China*

## Relevant Coursework

- Data Structures
- Linear Algebra
- Algorithms Analysis
- Numerical Analysis
- Operating Systems
- Principles of Compilers

## Research Interests

- GeoAI
- GIScience
- Geospatial Data Science
- Remote Sensing
- Agriculture
- Climate

## Research Experience

**Spatiotemporal Compilation of Cretaceous Fossil Occurrence Data**

**Oct. 2023 – Present**

*Research Intern*

*Beijing, China*

- Validating age models of North American Cretaceous dinosaurs by intersecting PBDB and Macrostrat database.
- Investigating the macroevolutionary pattern of dinosaurs in the Late Cretaceous by tabulating dinosaur data at different taxonomic levels for time series analyse.

**High-Temperature Geochemistry Benchmark Database**

**Oct. 2023 – Present**

*Research Intern*

*Hangzhou, China(Remote)*

- Successfully implemented efficient database retrieval functionality, enhancing overall system performance.
- Conducted thorough interface testing for various functionalities, addressing and resolving identified bugs.
- Developed and implemented the user bug submission record functionality, contributing to bug tracking and resolution.

**A Thermobarometer Based on Mineral Pairs Using Machine Learning Algorithm**

**Dec. 2023 – Present**

*Research Intern*

*Hangzhou, China(Remote)*

- Researching the application methods of various machine learning algorithms in rock geochemistry.
- Calculating the Euclidean distance and transform mineral and rock sample data into a graph data structure.
- Applying community detection algorithms to find co-occurrence relationships between minerals and rocks.

## Volunteer

**Computer Association of CUGB**

**Oct. 2021 – Oct. 2022**

*Hardware Engineer Intern*

*Beijing, China*

- Diagnosing and resolving hardware issues to enhance the computing experience for students and staff.
- Passionate about optimizing and fixing computers to ensure reliable hardware systems, contributing to a seamless and productive academic environment for educational success.

## Award

**Academic Scholarships**

**Dec. 2022**

*2021 – 2022 academic year second-class scholarship*

*China University of Geosciences (Beijing)*

**Third Prize Winner**

**Mar. 2023 – Jul. 2023**

*North China Division*

*C4-Network Technology Challenge*

## Technical Skills

**Languages:** Python, Java, C/C++, HTML, SQL, R, swift

**Developer Tools:** VS Code, Idea, PyCharm, Eclipse, DDE Cloud Platform, Navicat

**Technologies/Frameworks:** Linux, GitHub, SpringBoot, Pytorch