Guanyu Mao   *Undergraduate*

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Education

School of Earth and Space Science and Technology, Wuhan University   Wuhan, China
B.S. in Geophysics   2022 - 2026
GPA: 3.88/4.00, Rank: 1/23.

Research Interest

- Seismology: The surface deformation monitoring of earthquakes through InSAR and GNSS, the velocity structure of the crust and the seismic tomography,Prediction of Earthquake

- Tectonics: The tectonic plates and their activities, the formation and evolution of the earth's crust and mantle,Volcano activities.

- Geodynamics: The movement of the earth's crust and mantle and their machanism.,the changing of the strain and stress field of the earth's crust.

Research Experience

Undergraduate Research
With Profs. Guoyan Jiang (WHU) and Yingwen Zhao(WHU), I study:

- The method of D-InSAR data processing to get the surface deformation of earthquakes.

- Methods of Geophysical Inversion to get the Fault geometry and Slip distribution.

- Determination of the velocity field and strain field of blocks with GNSS velocity field.

2023.01 - Now

Skills

Languages: Chinese, English
Programming: Python, C++, MATLAB, Csharp,Shell, Latex
other skills: Leadership, Teamwork, Communication, Adaptability, Problem-solving, Critical Thinking

Publications