

Shaohui Liu

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Citizenship: China • Date of birth: 7-DEC.-1998

Research interests

Geodynamics numerical simulation, Earth's deep carbon degassing, Cenozoic climate change driving mechanism, planetary habitability evolution

Education

- 2024 – Present **Institute of Geology and Geophysics, Chinese Academy of Sciences** – Beijing
Ph.D. Candidate in Geophysics
Present Research Topic: Driving mechanisms of Cenozoic climate change from geodynamic modeling of deep carbon degassing rate
Interested Research Topic: Impact of early Earth tectonic regime transitions on habitability and comparative planetary evolution from geodynamic modeling
Supervisors: Associate Professor Jianfeng, Yang; Professor Liang, Zhao
- 2020 – 2023 **Institute of Geology and Geophysics, Chinese Academy of Sciences** – Beijing
M.Sc. in Geodynamics *GPA: 3.85/4.0*
Research Topic: Numerical simulation of the lunar mantle overturn in Moon's early history
- 2016 – 2020 **Jilin University** – Changchun, Jilin
B.Eng. in Applied Geophysics *GPA: 3.45/4.0*
Course Projects : Seismic wave equation forward modeling, magnetotelluric data processing, gravity and magnetic anomaly forward and inverse modeling

Technical skills

Software

Proficient in: ASPECT, Gplates, GMT, Surfer

Familiar with: Git, Adobe Illustrator, CitcomS(version3.1), StagYY, \LaTeX , High-Performance Computing (HPC)

Programming languages

C++, Python

BUT I'M NOT AS GOOD AT ANY LANGUAGE AS GPT-5

Languages

English (fluent), Mandarin Chinese (native)

Other interests

Kaito Kid, Pencil drawing, Chinese calligraphy (on my website).