

# GUANGPU YI

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🏠 [guangpuyi.github.io/Homepage](https://guangpuyi.github.io/Homepage)

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## EDUCATION

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**University of Science and Technology of China, Hefei, China** 2021 - Present

M.S. in Solid Geophysics, GPA: 4.01/4.30

Advisor: [Wei Leng](#)

TOEFL iBT: 103 (Reading: 28, Listening: 28, Speaking: 23, Writing: 24)

**University of Science and Technology of China, Hefei, China** 2017 - 2021

B.S. in Geophysics, GPA: 3.08/4.30

## RESEARCH EXPERIENCES

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**Sumatran Subduction Zone Dynamics** 2022 - Present

Postgraduate Project

Investigate the effects of convergence variation (age, angle, velocity, ...) on slab geometry

**Removing Gaussian Blur of Image** 2022

Course Project of Geophysical Inversion

Deblur by solving a least squares inversion problem using conjugate gradient (CG) method

**Basic Benchmarking of Mantle Convection** 2021

Undergraduate Thesis

Perform thermal convection cases of [Blankenbach et al. \(1989\)](#) and free surface cases of [Schmeling et al. \(2008\)](#)

**Core-mantle Thermal Evolution and Magnetic Field Evolution of Planets** 2019 - 2021

Innovative Training Program for College Students

Estimate CMB heat flow and inner-core growth history based on geodynamo theory, following [Buffett \(2002\)](#)

## CONFERENCE ABSTRACTS

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Yi, G. and Leng, W., 2023, Slab tearing beneath Sumatra: Insights from 3D numerical modeling, 2023 Annual Meeting of International Professionals for the Advancement of Chinese Earth Sciences (IPACES), Hefei, China [🔗 Poster](#)

Yi, G. and Leng, W., 2023, Exploring the Sumatra slab structure using 3D numerical modeling, 2023 Annual Meeting of Chinese Geoscience Union (CGU), Zhuhai, China (expected) [🔗 Abstract](#)

## PROFESSIONAL SKILLS

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**Geodynamic Software:** Citcom

**Programming Languages:** C, MATLAB, Python, Fortran, Bash

**Other Skills:** GMT, GPlates, LaTeX, Paraview, HTML, Adobe (Ps, Pr, Ai)

## HONORS AND AWARDS

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Scholarship for Postgraduate Studies	2021, 2022
Outstanding Student Scholarship	2020
Outstanding Freshman Scholarship	2017

## ACTIVITIES

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"Morning Star" Public Service Programs	
Volunteering in International Conference of Deep Space Sciences ( <a href="#">ICDSS</a> )	2023
Volunteering in orientation of undergraduate students	2021, 2022
Volunteering in National Science and Technology Week	2019, 2022
Geology Field Practice	2020, 2021
Summer Social Practice (won the "Outstanding Individual" prize)	2019
Campus Marathon Run	2017