

# GUANGPU YI

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## EDUCATION

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### University of Science and Technology of China

2021 - Present

M.S. in Solid Geophysics, GPA 4.01/4.3

Advisor: Wei Leng

### University of Science and Technology of China

2017 - 2021

B.S. in Solid Geophysics, GPA 3.08/4.3 (in the last 3 semesters, 3.74/4.3)

## 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 \(2002\)](#)

## HONORS AND AWARDS

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Outstanding Student Scholarship (Bronze Award)

2020

Outstanding Freshman Scholarship (Bronze Award)

2017

## ACTIVITIES

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Volunteering in National Science Week

2019, 2022

Geology Field Practice

2020, 2021

Social Practice Activity of the Summer Vacation ("Outstanding Individual" Prize)

2019

Campus Marathon Run

2017