

GUANGPU YI

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EDUCATION

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

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

Outstanding Student Scholarship (Bronze Award)

2020

Outstanding Freshman Scholarship (Bronze Award)

2017

ACTIVITIES

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