



Ling Xia

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EDUCATION

University of Science and Technology of China (USTC)

Sept. 2020 - Jul. 2024

- B.S. in Geophysics, School of the Gifted Young
- GPA: 4.05/4.30 (rank: 1/19)

Princeton University

Sept. 2024 - Present

- Graduate Program, The Geosciences Department

RESEARCH EXPERIENCE

Use ADTomo to obtain V_p and V_p/V_s ratio of the Bay Area

UC Berkeley

Supervisor: Prof. Weiqiang Zhu

Jul. 2023 - Oct. 2023

- Aimed to improve the previous velocity model in this region with more data coverage.
- Developed and modified scripts based on solutions to mathematical equations. Picked earthquake events for less computation cost and uniform distribution. Utilized LBFGS for optimization and obtained velocity model results.
- Used GMT to plot velocity structures in this region and compared them with geological results.

HONORS

China National Scholarship

Sep. 2023

China National Scholarship

Oct. 2022

Yang Ya Scholarship in USTC

Sep. 2021

Tang Zhongying Scholarship

Dec. 2020

SKILLS

Programming: C/C++, Python, Julia, MATLAB, Mathematica, L^AT_EX

Tools: Git/GitHub, Unix Shell, SAC, GMT

WORK EXPERIENCE

University of Science and Technology of China

Physical Geology Field Practice (*supervisor: Prof. Jun Tang*)

Chaohu, Anhui

Jul. 2022

University of Science and Technology of China

Teaching Assistant in Theoretical Mechanics A (*instructor: Prof. Gan Qin*)

Hefei, Anhui

Sept. 2022 - Jan. 2023

EXTRACURRICULAR ACTIVITIES & INTERESTS

- ★ Participated actively in the Association of Science and Exploration at USTC. Authored and published a journal documenting an expedition to the Qilian Mountains.
- ★ Worked as Associate President of the USTC Cyrus Tang CaringHeart Club. Participated in and coordinated volunteer activities at the Hefei Science and Technology Museum.
- ★ Enjoyed running a lot and exercised regularly. Won prizes in the elite-class spring marathon.