

# Ling Xia

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## EDUCATION

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### Princeton University

Graduate Program in Geosciences  
Department of Geosciences

Princeton, NJ

*Sep. 2024 - Present*

### University of Science and Technology of China (USTC)

B.S. in Geophysics  
School of the Gifted Young (GPA: 4.05/4.30, rank: 1/61)

Hefei, Anhui

*Sep. 2020 - Jul. 2024*

## RESEARCH EXPERIENCE

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

*Supervisor: Prof. Weiqiang Zhu*

UC Berkeley

*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

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China National Scholarship

*Oct. 2022, Sep. 2023*

Scholarship for Elite Class in Basic Disciplines (Class A)

*Dec. 2022, Nov. 2023*

Yang Ya Scholarship in USTC

*Sep. 2021*

Tang Zhongying Scholarship

*Dec. 2020*

## SKILLS

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**Programming:** C/C++, Python, Julia, MATLAB, Mathematica, L<sup>A</sup>T<sub>E</sub>X

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

## WORK EXPERIENCE

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### 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

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- ★ 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.