

Yuxin Zhou

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Education:

University of Southern California

Aug. 2012-present

College of Letters, Arts and Sciences

Major: Geological Science; Minor: Computer Science

Work Experience:

Climate Dynamics group, *Research assistant*

Nov. 2012-present

Supervisor: Professor Julien Emile-Geay

- Geospatial visualization of the modeled and observational data of isotopes in the water cycle using new modules such as the Matplotlib Basemap class in Python;
- Assist with dataset processing: model-data comparison and mapping projects, spatio-temporal averaging, and making sure gridded datasets are compatible for comparison;
- Collection of satellite-based measurements of Deuterium in water vapor for validation of isotope-enabled climate model in the lab;
- Creation of python-scripted process models for tropical climate proxies such as corals, tree-rings, and speleothems.

Italki, *Chinese tutor*

Sep. 2012-present

- Customer feedback: 4.9 out of 5
- Help students improve their oral communication and listening skills with patience and detail-oriented attitude
- \$10 per hour

Honors:

- USC Dana and David Dornsife College of Letters, Arts and Sciences Dean's List

Dec. 2012

Special Skills:

Programming and operating system experience

- *Python, C++*
- *Linux*

Instrumentation

- *Piano*

Language

- *Mandarin*