

Naitian (Neal) Zhang

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EDUCATION

2024 - Present

The Ohio State University

B.S. Geographic Information Science, Expected May 2028

HONORS & AWARDS

2024 - 2025

Dean's List

The Ohio State University

2017

Second Prize

National Olympiad in Informatics in Provinces (NOIP), Junior Division, Sichuan Province (C++)

SKILLS

GIS / remote sensing

ArcGIS Pro, QGIS, unsupervised classification, raster differencing, cartographic work, Census TIGER/Line.

Programming / analysis

Python and R, C++; descriptive statistics and sampling.

Web / systems

JavaScript, Node.js/Express, WebSocket, HTML/CSS, Linux VPS, SSH, nginx, PM2.

Languages

Mandarin Chinese (native); English (fluent); Japanese (elementary).

SELECTED INDEPENDENT PROJECTS

2026

Real-Time Data Dashboard

- Built a live-data dashboard using APIs and WebSocket; switched providers after overseas access restrictions and adapted response handling, including GBK text decoding.
- Deployed and maintained web applications on a Linux VPS using SSH, nginx and PM2.

2026

Food Trail Map

- Created an interactive map of restaurants in Chengdu with an authenticated editor for adding, modifying and deleting location point records.
- Used Amap JavaScript API 2.0, compiled and validated restaurant location data.

2025

Chengdu Land-Cover Classification & SWIR Change Analysis

- Applied unsupervised classification to 2000, 2013 and 2024 satellite imagery of Chengdu in ArcGIS Pro.
- Mapped 2000–2024 change in short-wave infrared (SWIR) pixel values.

SELECTED LEADERSHIP EXPERIENCE

2025 - Present

Student Manager

Traditions at Morrill, The Ohio State University

- Coordinated student staff, communicated operating priorities and resolved service issues in campus dining operations.