

# YUNYI SHI

shi.yuny@northeastern.edu | (857) 222 – 2477

## EDUCATION

---

### Northeastern University

Computer Science major, Master of Science, GPA 3.83/4.00

September 2023 – May 2026 (Expected)

### Minzu University of China

Antiquity & Museology major, Bachelor of History, GPA 88.0/100

September 2019 – June 2023

### University of California, Berkeley

Berkeley International Study Program (BISP)

August 2021 – May 2022

## TECHNICAL SKILLS

---

- **Programming Languages:** C, Java, Python, Javascript
- **Technologies and Tools:** ArcGIS, QGIS, ENVI, MATLAB, Git, Jupyter notebook, Google Earth Engine
- **Other Skills:** Object-Oriented Programming, Remote Sensing

## PROJECTS

---

### Vegetation Monitor of Ancient Cultural Relics of Yuanzhongdu

- Utilized Landsat 7 and Landsat 8 satellite data to compute the Normalized Difference Vegetation Index (NDVI) for the preservation of cultural relics, comparing data from 1991 to 2005.
- Presented the computation results through graphical representation, and created a time-lapse landscape video to depict the changes over time.
- **Skills:** Javascript, remote sensing, Google Earth Engine

### Mastermind game

- Developed an interactive Mastermind game board using Turtle Graphics, and implemented a leaderboard feature to track scores for every player.
- **Skills:** Python, Object-Oriented Programming

## ACADEMIC EXPERIENCE

---

### Physical Anthropology Research Team Member, Minzu University of China

February 2021 – June 2023

- Studied human mandibular torus and analyzed the variation of mandibular torus between people of different regions, ethnic groups, genders, ages, times, and other factors.
- Joint first author of *Morphological variation studies of the modern human mandibular torus*.

### Team Member of Project: Museum Public Education Towards the Visually Disabled: A Case Study of Nanjing Museum, Beijing Undergraduate Research and Training Program

October 2020 – April 2022

- Collected background materials and analyzed museum accessibility facility problems.
- Communicated with visually impaired people about their experience with accessibility in Nanjing Museum.

### Museum Archives Assistant, Minzu University of China

April 2021 – July 2021

- Conserved and archived thousands of historical paper folk documents of the Qing Dynasty and the Minguo Period from Yunnan Province.
- Interpreted and recorded the contents of historical paper folk documents onto standardized digital forms.

## EXTRA CURRICULUM EXPERIENCE

---

### Vice President of Cantonese Culture Society, Minzu University of China

September 2020 – June 2021

- Designed and organized events on Cantonese culture (Cantonese class, Cantonese singer competition, Dim Sum Brunch, etc.) for society members.
- Managed recruitment of the society and delivered promotions to prospective society members through both online platforms and in-person meetings.