

# Ruoyu (Emma) Zhang

+1 5073018566 / +86 18901647505   [zhange2@carleton.edu](mailto:zhange2@carleton.edu)   <https://emruoyu.github.io/>

## EDUCATION

---

**Carleton College**

Northfield, MN

*Prospective major: Computer Science*

Expected May 2027

- Cumulative GPA: 3.97

## TECHNICAL SKILLS

---

Programming Languages (Java, Python, C++, Javascript)

Data processing (R, SPSS)

Digital humanities / Design (GIS, data visualization, 3D modeling, video/photo editing)

## RESEARCH EXPERIENCE

---

**Digital Humanities Associate**, Northfield, MN

September 2024 - Present

[Digital Humanities Center](#), Carleton College

- **Research assistants** for digital humanities projects, consulting on every stage of the process: initial design, data entry, development, and final deployment.
- **embedded teaching assistants** in humanities courses and offer hands-on assistance for digital class projects

**Research Assistant**, Las Vegas, NV

May - August 2024

[Music Cognition Lab](#), University of Nevada, Las Vegas

- Supervisor: Dr. Erin Hannon
- Explored beat and meter perception / misophonia phenomenon of child
- Ran participants with EEG, analysis Data with Python
- Funded by The Elizabeth and George Frost fellowship of Carleton college

**Research Assistant**, Shanghai, China

[Institute of Neuroscience, Chinese Academy of Sciences](#)

July 2022

- Supervisor: Dr. Tianming Yang
- Explored how different earning/spending units and human decision making behavior
- Designed experiment paradigm on Psychopy. Used R for analysis & graphing

## OTHER EXPERIENCE

---

**Vice President**, Shanghai China

High School Robotics Club IronPulse

September 2021 - May 2023

- Led overall planning for club with 70+ members
- Managed club finances and secured 3+ sponsors
- Organized gender minority workshops, committed to minority rights in STEM