

# Mingrui Huang

## Cartography and GIS Graduate Student

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## About Me

I have completed BA in Computer Science and Geography at the University of Colorado Boulder. Current graduate student majoring in Cartography and Geographic Information Systems at the University of Wisconsin-Madison. Interested in GIS, cartography, front-end development, database and Python, received well and ample training in the college, having abundant experience in ArcGIS, HTML, CSS, JavaScript, Python, and PostgreSQL. Be familiar with the WCAG 2.1 standard. Have the willingness to learn new technology.

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## Education

### University of Colorado Boulder (August 2017 to December 2021)

College of Arts and Sciences / Cumulative GPA: 3.363

- BA in both Computer Science and Geography (GIS Track) Major
- Undergraduate Certificate in GIS and Computational Science

### University of Wisconsin-Madison (January 2022 to May 2023 (Anticipated))

Graduate School / Cumulative GPA: 3.75

- Cartography and Geographic Information Systems Major
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## Skills

### GIS:

- ArcMap & ArcGIS Pro
- Cartography
- ArcPy & GDAL/OGR
- Leaflet & Mapbox

### Programming:

- HTML/CSS/JavaScript
- PostgreSQL/MySQL
- Python
- C++/Java

### General:

- Web Accessibility
  - HCI
  - Project Management
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## Working Experience

### CU Boulder Housing & Dining Services:

- Student Assistant I (Student Staff) / Sep 2018 – Sep 2019
- Student Assistant II (Student Leader) / Sep 2019 – Jun 2021
- Student Assistant III (Student Manager) / Jun 2021 – Dec 2021

### FreemanGIS, Inc:

- GIS Programmer / Jun 2021 – Jul 2021  
*Converting a legacy ArcInfo Arc Macro Language (AML) program to an ArcPy script for gas pipeline safety analysis.*
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## Personal Projects

**Cartography:** The Distribution of Bombing Missions During the Vietnam War (2<sup>nd</sup> Place in GISCI 2022 Map Contest, Student Division)

**Web Mapping (ongoing):** US Surface-to-Air Missile Site Locations in 1960

**Spatial Analysis:** Simulative Site Selection for Nuclear Power Plant in Colorado

View details at my personal website: [Link](http://jeffreyhuang.tk)