

# Mingrui Huang

633 Langdon St, Madison, WI 53703

[mhuang247@wisc.edu](mailto:mhuang247@wisc.edu), 7205929679, Website: [jeffreyhuang.tk](http://jeffreyhuang.tk)

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## Education

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

College of Arts and Sciences / Cumulative GPA: 3.363

- Bachelor's degree in Computer Science and Geography (GIS Track)
- Undergraduate Certificate in GIS and Computational Science

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

Graduate School / Cumulative GPA: 3.75

- Master's degree in Cartography and Geographic Information Systems
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## Skills

### GIS Skills:

- ESRI Suite & QGIS
- Cartography
- ArcPy & GDAL/OGR
- Leaflet & Mapbox

### Programming Skills:

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

### General Skills:

- Web Accessibility
  - Photoshop & Illustrator
  - Project Management
  - HCI
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## Working Experience

### CU Boulder Housing & Dining Services:

- Student Assistant III (Student Manager) / Jun 2021 – Dec 2021
  - ♦ *Assisted executive managers and chefs in supervising all student staff members.*
  - ♦ *Coordinated work between full-time and student employees, resulting in improved working efficiency and a 25% reduction in closing time.*

### FreemanGIS, Inc:

- GIS Programmer / Jun 2021 – Jul 2021
    - ♦ *Converted a legacy ArcInfo Arc Macro Language (AML) program to an ArcPy script for gas pipeline safety analysis.*
    - ♦ *Tested and debugged the script to ensure proper functionality and accuracy of results.*
    - ♦ *Worked closely with supervisor to ensure company's needs were met.*
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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:

- *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)*