

WEIFAN ZHOU

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SUMMARY — Passionate about robotics and geospatial science. Currently a summer research assistant in the University of Louisville Robotics Lab. Owns a personal website showcasing notes and creative blogs.

EDUCATION

Illinois Wesleyan University, Bloomington, IL **May 2026 (Expected)**
BA in Computer Science; Minor: Data Science **Cumulative GPA: 3.85/4.0**
Honors: Illinois Wesleyan Jennings Music Scholarship; Alumni Scholarship; Dean's List

SKILLS

Programming Python, HTML, JS, CSS, C++ **Language** Chinese(Native), English, German(A1)
Robotics Ubuntu, ROS, CAD Design **Other** QGIS, ArcMap, Piano, Blog Writing

RECENT EXPERIENCE

Robotics Summer Undergrad Research, University of Louisville, Louisville, KY **May 2024 - Aug 2024**
– Assisting Master and PhD robotics students at LARRI lab.
– Helping with sensor testing, CAD design, and code testing in Octo-Can project.

Personal Website **Feb 2023 – Present**
– Deploy web pages by Git and Hugo with comment function; maintain and update the website.
– Write learning notes and blog posts about creative thoughts or social problems.

British Traffic Accidents Severity Analysis **Nov 2023 - Present**
– Analyzed vehicle accident data using Python to predict accident severity; utilized logistic regression, normalization, random forest techniques, etc.
– Planning to apply spatial analysis, visualize vehicle accidents on ArcGIS Pro, compare different areas and months, and analyze the primary causes of accidents.

To-do List Web Software **Oct 2023 – Dec 2023**
– Collaborate with four students to create a To-do list application with HTML, JavaScript, CSS, and Python

Project Lead — China Thinks Big, Remote **Sept 2020 – Dec 2020**
– Executed survey questionnaire on trash classification and usage of recycling milk boxes.

RELEVANT COURSEWORK

- **GIS:** Introduction to Geographic Information System; Applied Geographic Information Systems
- **Computer Science:** Computer Science I/II; Applications of Sets, Logic, and Recursion; Discrete Mathematics; Software Development; Applied Data Analysis; Computer Organization and Architecture; Ethics, Values, and Issues in Cybertechnology
- **Math:** Applied Linear Algebra; Calculus II; Mathematical Methods of Physics; Calculus III (Fall 2024), Probability (Fall 2024)
- **Psychology/Neuroscience:** General Psychology; Behavioral Neuroscience

ADDITIONAL CAMPUS & COMMUNITY INVOLVEMENT

Sigma Alpha Iota Music Female Fraternity, Illinois Wesleyan **Nov 2023 - Present**
Piano Accompanist, Illinois Wesleyan School of Music **Sept 2022 - Present**
Association for Computing Machinery, Illinois Wesleyan **Sept 2022 - Present**