

# Angelina B. Evans

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## EDUCATION

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### M.S. University of Iowa

*Informatics (Geoinformatics)*  
*Degree anticipated May 2025*

**August 2023 - Present**

### B.A. University of Iowa

*Major in Geography (Geographic Information Science)*  
*Minor in Computer Science*  
*Minor in Environmental Policy and Planning*

**August 2020 - May 2024**

### A.A. Kirkwood Community College

*Liberal Arts*  
*Completed in High School*

**January 2016 - May 2019**

### Related Coursework:

- Foundations of GIS
- Introduction to Geographic Visualization
- GIS Applications: Health and Environment
- Computer Science I and II
- Introduction to Informatics
- Programming Languages and Tools
- Statistical Methods and Computing
- Iowa Environmental Policy in Practice
- Geographic Databases
- Hazards and Society
- Contemporary Environmental Issues
- Geospatial Programming
- Lidar: Principles and Applications
- Business Computing Essentials

## COMPUTER SKILLS

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### Proficient

ArcGIS Pro, QGIS, Jupyter Notebook, Microsoft Suite

### Intermediate

Python, RStudio, GitHub

### Beginner

C#, Java, Tableau Online

## RELEVANT EXPERIENCE

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### Undergraduate Research Assistant, University of Iowa College of Nursing

**November 2023 - Present**

- Provide research support to the All of Us Center for Linkage and Acquisition of Data (CLAD), which expands the types of program data available to researchers through passive data streams
- Use Python to build data pipelines that assist with cleaning and organizing data
- Assist in additional tasks such as literature reviews, vendor evaluations and investigation of geocoding methods

**Data Science for the Public Good Intern, Iowa State University**

**May - July 2023**

- Investigated methods for conducting a thorough and objective evaluation of Iowa communities' housing stock using artificial intelligence techniques
- Consolidated housing data, including images, from existing sources such as realtor websites, Google Street View, and county assessor websites
- Utilized roof, gutter, siding, and landscape conditions as part of AI analyses to identify homes that may qualify for community assistance programs
- Designed interactive Tableau maps to visualize the house conditions of multiple communities
- Manually collected housing and neighborhood quality data in four cities in Iowa

**Council on International Education Exchange (CIEE) Student, Singapore      September - December 2022**

- Studied in Singapore at CIEE Singapore education center and participated in courses relating to Singaporean culture, global migration, and family development
- Visited environmental facilities, cultural sites, museums in Singapore and Malaysia with program leader and other students

**U.S. Department of Energy Science Undergraduate Laboratory Intern, Oak Ridge National Laboratory, Geospatial Science and Human Security Division**

**June - August 2022**

- Analyzed socio-economic factors and spatial-temporal dynamics of hospital closures in the United States
- Performed feature selection methods on socioeconomic data and hospital closure locations to find the factors most prominent in areas near closures
- Calculated changes in travel time and distance to the nearest hospitals in the U.S. before and after closures using OpenStreetMap roads data and Open Street Routing Machine
- Created visualizations to further understand hospital closure vulnerability and impacts of closure

**U.S. Department of Energy Summer Undergraduate Laboratory Intern, Oak Ridge National Laboratory, Geospatial Science and Human Security Division**

**June - August 2021**

- Created visualizations to observe patterns in hospital closure locations and socio-economic factors in the state of Tennessee
- Calculated and visualized changes in travel time and distance to the nearest hospitals in Tennessee before and after closures
- Determined the areas in which travel time and distance is impacted most by hospital closures in Tennessee and if these are areas with lower socio-economic status when compared to other locations in this state

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**AWARDS**

**Nicholas L. Paape Memorial Scholarship Award**

University of Iowa Department of Geographical and Sustainability Sciences

**May 2023**

**Summer 2022 Poster Competition 1st Place Award**

Oak Ridge National Laboratory National Security Sciences Directorate

**August 2022**

**Benjamin A. Gilman International Scholarship Award**  
U.S. Department of State

**May 2022**

**Summer 2021 Poster Competition 2nd Place Award**  
Oak Ridge National Laboratory

**August 2021**

**Iowa Scholars Award**  
University of Iowa

**August 2020**

## **ACTIVITIES**

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**University of Iowa Track Club Member**

**January 2022 - March 2023**

- Competed in Track and Field competitions against Division III and Junior College track teams
- Outdoor 200-meter and 400-meter races on University of Iowa Track and Field club record list
- Participated in track practices and encouraged teammates during workouts

**University of Iowa International Student Program Participant**

**August 2021 - August 2022**

- Participated in group activities to befriend international students and welcome them to the University of Iowa through Global Buddies and Friends without Borders events
- Provided support to international students and helped them learn about the University of Iowa and surrounding cities while learning about their own country and culture
- Created a welcoming environment for international students and built long-lasting relationships

## **VOLUNTEER EXPERIENCE**

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**Iowa Friends of International Students Volunteer**

**August 2024 - Present**

- Meet and engage with international students during social events held by Friends of International Students
- Establish friendship with matched student and visit areas around Iowa City monthly
- Share knowledge about American culture and lifestyle and learn about the international student's own culture and lifestyle

**Children's Program Volunteer**

**January 2023 - Present**

- Weekly assist in teaching Kindergarten-4th grade students about the geography and customs of people groups of the world by sharing facts and stories during the elementary school year
- Teach and encourage children to engage with others through acts of kindness and friendliness
- Ensure that children are in a safe and clean environment during class time; work to resolve any issues or conflict between children
- Assist in lesson planning