

Melina Raglin

508 N Indiana Ave, Bloomington, IN 47408 | (812) 929-7935 | raglin.11@buckeyemail.osu.edu

INTERNSHIPS AND WORK EXPERIENCE

Ohio State University Department of Sociology, Research Assistant

January 2020- Present

- Assistant researcher on a computational social science project evaluating race and inequality on the internet through data analysis, web scraping, and facial recognition processes
- Became familiar with the use of Python and R for data collection and analysis, writing hundreds of Python scripts to scrape important information to be analyzed in R from various websites
- First author of DCiFR (Demographic Characteristics in Facial Recognition), a Python graphical user interface allowing users to run facial attribute analyses on their photos from their own device

Garyfallidis Research Group (Indiana University School of Informatics, Computing, and Engineering), Software Development Intern

May 2020-Present

- Intern for medical imaging, software engineering, and machine learning research group
- Worked on development for FURY, an international open-source scientific visualization project
- Wrote 3D visualization and animation tutorials in Python for new users and implemented new shapes and functions to expand the FURY library using 3-dimensional calculus math
- Became proficient in Github, merged several pull requests into the main FURY branch, edited and reviewed those of others

Bloomington High School North, Assistant Girls Swim Coach

October 2020 – March 2021

TECHNICAL SKILLS

Java, Python, HTML, CSS, Git/Github, R, SQL, C, Assembly x86-64

EDUCATION

The Ohio State University, Columbus, Ohio

Class of 2023

Bachelor of Science in Data Analytics, *expected June 2023*

GPA: 3.606

Major: Data Analytics, emphasis in Data Visualization

Minor: Sociology

Relevant Coursework: *Linear Algebra, Foundations of Discrete Structures, Software Components, Software Development and Design, Statistical Probability & Inference for Data Analytics Majors, Calculus I-III, Systems I*

Indiana University, Bloomington, Indiana

Computer Science and Informatics classes taken through IU OPEN program

Fall 2017-Spring 2019

Bloomington High School North, Bloomington, Indiana

Weighted GPA: 4.425

Graduated June 2019, Honors Diploma

HONORS, AWARDS, AND SCHOLARSHIPS

The Ohio State University Eminence Scholarship, *full cost-of-attendance merit award given to 25 incoming freshman each year*

The Ohio State University – Dean's List, *maintaining a 3.5 GPA or higher, 2019-2020*

CAMPUS INVOLVEMENT

Cultivate Columbus, Fall 2020-Present

Data I/O 2020, The Ohio State University, October 2020

- Participated in Ohio State's data analytics hackathon and wrote a Python script to scrape all NFL play by play data from 2009-2018. Performed a regression analysis to come to valuable conclusions about what plays influenced each team's number of points gained most effectively

Big Data Analytics Association, Fall 2019-Present

OSU Climbing Club, Fall 2019-Present