Melina Raglin

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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 - Present

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