

KELLY NICKELSON

kelly.nickelson17@gmail.com

SKILLS

Portfolio at <https://kellynickelson.github.io/>

- Programming: SQL, R, Python, HTML
- Data Visualization: Tableau, Excel
- Modeling: Decision Tree, Random Forest, Logistic Regression, Linear Regressions

EDUCATION

Kalamazoo College

September 2017 – June 2021

Bachelor of Arts in Biology with Honors

Kalamazoo, MI

- Concentrations in Environmental Studies and Community & Global Health
- Graduated magna cum laude, Phi Beta Kappa & Alpha Lambda Delta Honor Society, GPA 3.8
- Recipient of the Kalamazoo College Senior Leadership Award
- Relevant Courses: Biostatistics, Calculus, Issues in Public Health, Epidemiology

International Sustainable Development Studies Institute

August 2019 – February 2020

Study Abroad Program

Chiang Mai, Thailand

- Experiential learning program focused on sustainable development and social justice
- Community Outreach Intern at Chiang Mai Breathe Council focused on combating air pollution

EXPERIENCE

Research Assistant & Crew Leader

May 2021 – Present

MSU Trevor Nichols Agrobiology Research Center

Fennville, MI

- Perform innovative experiments investigating infestation patterns and monitoring mechanisms for fruit production
- Perform detailed analysis on experimental datasets utilizing R, SQL, and Excel
- Train, manage, & direct three undergraduate research assistants in experimental protocols and general lab tasks
- Publication: Nickelson, K., Van Timmeren, S. and Isaacs, R. Susceptibility of highbush blueberry cultivars to infestation by *Drosophila suzukii* (publication in-process)

Student Advisor

September 2020 – June 2021

Kalamazoo College Environmental Studies Department

Kalamazoo, MI

- Coordinated, promoted, and hosted the annual Environmental Sustainability Symposium and additional events
- Advised incoming students and underclassmen with departmental requirements and expectations

Entomology Intern

December 2020 – May 2021

Vestaron Corporation

Kalamazoo, MI

- Coordinated and participated in research studies by maintaining continuous flow of prepared samples for testing
- Established *drosophila* (insect) colony through development and implementation of standardized rearing procedures

Technical Aid

June 2020 – September 2020

MSU Trevor Nichols Agrobiology Research Center

Fennville, MI

- Initiated, constructed, and executed independent study
- Analyzed, interpreted, and presented experimental data for my comprehensive peer-reviewed senior thesis

Staff Professional

June 2019 – August 2019

Antea Group

Novi, MI

- Created administrative policies and plans for the environmental health and safety needs of various clients based on current laws and regulations
- Conducted field groundwater, soil, and vapor sampling at oil remediation sites

Teammate

August 2017 – June 2019

Kalamazoo College Intercollegiate Volleyball Team

Kalamazoo, MI

- MIAA Volleyball Conference Academic Honors
- Community engagement: Mentor at Woodward Elementary