

# Kelly Nickelson

Data Analyst

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## Education

### BA. Dean's List

Sep 2017 - June 2021

Kalamazoo, MI

### Kalamazoo College

- B.A. in Biology with Honors, *magna cum laude*, Phi Beta Kappa, GPA 3.8/4
- Concentrations in Environmental Studies and Community & Global Health
- Thesis: Susceptibility of Highbush Blueberry Cultivars to Infestation by *Drosophila suzukii*

### Abroad Program

Aug 2019 - Feb 2020

Chiang Mai, Thailand

### International Sustainable Development Studies Institute

Environmental Studies Program.

## Work Experience

### Research Assistant & Crew Leader

May 2021 – Present

Fennville, MI

### Michigan State University – Department of Entomology

- Perform innovative experiments investigating infestation patterns and monitoring mechanisms for fruits production
- Perform detailed analysis on experimental datasets utilizing R, SQL, and Excel
- Maintain orderly and accurate laboratory documentation for tracking work progress, experiments, and results
- Train, manage, and direct three undergraduate research assistants in experimental protocols, insect colony maintenance, and general lab tasks

### Entomology Intern

Dec 2020 - May 2021

Kalamazoo, MI

### Vestaron Corporation

- Coordinated and participated in research studies by maintaining continuous flow of properly prepared samples for testing
- Established a spotted-wing drosophila colony through development and implementation of standardized rearing procedures
- Attended lab meetings to enhance knowledge of research strategies and examine current company-wide research aspirations

### Technical Aid

May 2021 – Present

Fennville, MI

### Michigan State University – Department of Entomology

- Initiated, constructed, and executed an independent study exploring spotted-wing drosophila oviposition behaviours across six highbush blueberry cultivars
- Analysed (using Excel and R), interpreted, and presented experimental data through the constructed of my comprehensive peer-reviewed senior thesis

### Staff Professional

June 2019 – Aug 2019

Novi, MI

### Antea Group

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

## Leadership & Teamwork Experience

### Student Advisor

Sep 2020 – June 2021

Kalamazoo, MI

### Kalamazoo College Environmental Studies Department

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

### Peer Mentor

Sep 2020 – June 2021

Kalamazoo, MI

### Kalamazoo College Center for International Programs

- Assisted underclassmen in their Thailand study abroad preparation
- Participated in campus-wide events aimed to prepare students for future abroad experiences

### Community Outreach Intern

Jan 2020 – Feb 2020

Chiang Mai, Thailand

### Chiang Mai Breathe Council

- Aided in the planning and implementation of community events to combat air pollution through forest conservati
- Facilitated community-based workshops about the potential health effects of poor air quality

## Selected Awards & Honors

### Kalamazoo College Senior Leadership Award

2021

### Kalamazoo College Dean's List

2017 – 2021

### Alpha Lambda Delta Scholastic Honor Society

2018

### Phi Beta Kappa Honor Society

2021

### Biology Senior Thesis Honors

2020

### MIAA Volleyball Conference Academic Honors

2017 – 2018

## Publications & Presentations

### Nickelson, K., Van Timmeren, S. and Isaacs, R.

Susceptibility of highbush blueberry cultivars to infestation by *Drosophila suzukii*. (*Publication In-Process.*)

### Perkins, J., Nickelson, K., Van Timmeren, S. and Isaacs, R.

Sampling blueberries for SWD and ripeness to improve management. Poster presented at: Great Lakes Expo; December 2020; Grand Rapids, Michigan.

### Van Timmeren, S., Perkins, J., Nickelson, K., Parkanzky, E., and Isaacs, R.

Sampling blueberries to make management decisions for spotted-wing drosophila control. Poster presented at: Great Lakes Expo; December 2021; Grand Rapids, Michigan.

## References

Please reach out to me for my references and their contact information. Thank you.