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**Madeline Gulick**  
Iowa City, IA  
cell: 712.339.5853  
email: [madeline-gulick@uiowa.edu](mailto:madeline-gulick@uiowa.edu)

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### **Education**

- University of Iowa (2017-present)  
Major: environmental science(bioscience)  
Minor: Geographic Information Systems  
GPA: 3.56
- Spirit Lake High School (2013-2017)  
GPA: 4.1

### **Work Experience**

- Green Iowa Americorps (Spring 2019-present)
  - Environmental service term
  - Outreach to community
  - Environmental research
  - Research presentations
- Iowa Lakeside Laboratory (Spring 2019-present)
  - I studied both native and invasive submerged aquatic vegetation(SAV) via ground-truthing and drone sensor photography. I worked on a proof-of-concept project to identify the wavelengths of individual SAV species using multispectral drone sensors. This data will be used to identify both native and invasive species, as well as their health and density. Uses for this project will include treatment of invasive species, preservation of natural habitat, and enhancement of recreation.
  - Presentations to community and funding board
  - Publication on project(pg. 13) [Okoboji Protective Association Newsletter](#)

### **Presentations**

- *Submerged Aquatic Vegetation Drone Sensing*
  - Lakeside Lab Summer Fundraiser, 2019
  - Friends of Lakeside Lab Board Meeting, 2019
- *Careers in Environmental Science*
  - Iowa Lakes Community College Women in STEM Conference, 2019

### **Scholarships**

- Old Gold Scholarship(2017-present)
  - University of Iowa Academic Scholarship
- Sara Rick Scholarship(2017)
  - Spirit Lake High School Leadership Scholarship
- Burger King Scholarship(2017)

- Academic Scholarship
- Kappa Alpha Theta Scholarship(2018)
  - Leadership and service scholarship
- Segal AmeriCorps Education Award (2019)

### **Activities and Honors**

- University of Iowa Dean's List
  - Spring 2018
  - Fall 2019
- Camp Kesem at University of Iowa (2017-present)
  - Service and support to children impacted by a parent's cancer
  - Outreach Coordinator (2017-2019)
    - Communicate with families
    - Plan reunion events
    - Meet with strong community influences
      - I.e. hospitals, therapists, churches, food pantries, schools, etc.
  - Director of Coordinator Board (Spring 2019-present)
    - Lead weekly coordinator board meetings
    - Provide guidance to the coordinator board
    - Remain in contact with Kesem National
    - Meet with strong community contacts
    - Communicate with families
    - Speak at and lead the main fundraising event during the year
- Wild honey bee research
  - Intern to Professor, Stephen Hendrix
  - Observe honey bee movement patterns
  - Catch and release various species
  - Identify high population areas

### **Additional Skills**

- Beginner level understanding of GIS
- Laboratory experience
- Fieldwork experience
  - pH, dissolved oxygen, conductivity, and temperature tools
  - Submerged vegetation raking
  - GPS-tracking
- Public speaking
  - Presenting to community members of all ages
- PADI open water scuba diving certification