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**PROFESSIONAL PREPARATION****Master's of Environmental Science***Yale School of Environment*Anticipated 2023  
New Haven, CT**B.S. Environmental Science, Biology Minor***Wheaton College*

- GPA: 3.62/4.00 Dean's List, Cum Laude

Aug 2018—Dec 2020  
Wheaton, IL**Student, Sustainability Program***Arizona State University*

- GPA 3.55/4.00 Dean's List
- Community Sustainability Solutions Program in Greece, Summer 2018

Aug 2016—July 2018  
Phoenix, AZ

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**AWARDS & GRANTS**

- NSF Graduate Research Fellowships Program 2021 Honorable Mention
- REU Morton Arboretum Program Stipend \$6,000
- Wheaton College Black Hills Science Station \$3,500
- Wheaton College Presidential Leadership Award \$20,000
- ASU Walton Foundation Sustainability Scholarship \$6,000

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**PRESENTATIONS & PUBLICATIONS****Publication:** *Evergreen abundance drives ground beetle diversity and density in eastern temperate forests*

In Preparation

**Presentation:** Morton Arboretum Science Symposium *Effects of forest type on ground beetle density and diversity*

Aug 2020

**Panelist:** *Environmental Science at Wheaton College*

Dec 2020

**Presentation:** *Idea Night: Venture Pitch Competition*

Oct 2019

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**TEACHING****Lab Teaching Assistant***Wheaton College*

- Exploring the Dynamic Earth and Environment Lab. Assisted lab sections, graded labs, led study sessions, assisted field trips to Wheaton's Wastewater Treatment facility. Developed communication strategies (2 semesters)

Aug 2019—May 2020  
Wheaton, IL**Teaching Assistant***Boundless Permaculture, LLC.*

- Instructed participants in Permaculture Design technical skills, including planning, cost analysis and implementation resulting in 20 certified Permaculture Designers on the Big Island of Hawaii.

Aug 2015—Dec 2015  
Kailua-Kona, HI

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**RESEARCH EXPERIENCE****Research Education Extension Fellow***Morton Arboretum*

- Generated hypotheses & leveraged datasets in R software to create a new model for soil community biodiversity in forest systems and prepared a manuscript for publication: *The effects of forest type on soil insect community biodiversity*

Jan 2021—Present  
Lisle, IL**NSF Research Education for Undergraduates (REU)***Morton Arboretum*

- NSF Funded research with the Soil Ecology Lab at the Morton Arboretum in Lisle, Illinois. Adapted to a virtual project that explored differences in forest types and inorganic nitrogen effects on ground beetle density and diversity. Utilized the National Ecological Observatory Network's ground beetle data in R. Designed and ran an analogous experiment on my family's small farm in the PNW. Engaged in the scientific community. Developed an R-based project, research questions, experimental design, ground beetle collection, ground beetle processing, and presented research Mentored by Dr. Meghan Midgley and Dr. Robert Buchkowski

June 2020—Aug 2020  
Lisle, IL & Remote**Student Researcher***Wheaton College Science Station*

- Red Wing Blackbird study with Dr. Kenneth Peterson from Bethel college collected, analyzed, and interpreted data on the behavior of Red Wing Blackbirds using Excel

May 2019—July 2019  
Black Hills, SD

## FIELD EXPERIENCE

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### Field Course

May 2019—July 2019  
Black Hills, SD

*Wheaton College Science Station*

- Collected insect and plant samples throughout the Black Hills region and neighboring areas. Measured ecological parameters using water sampling techniques, counting species diversity, bird and wildlife identification with Dr. Kristen Page, Dr. Raymond Lewis from Wheaton College, Dr. Kenneth Peterson from Bethel College, and Dr. Kirk Larson from Luther College
  - Biology 242: Botany and Zoology
  - Biology 243: Ecology

### Field Course & Research

April 2018—June 2018  
Greece

*Student Arizona State University: Community Sustainability in Greece*

- Synthesized qualitative research in Excel with Dr. Jane Parmentier and Professor Stratis Giannakouros on the impacts of the economy and urbanization on the rural communities on the Mani Peninsula in Greece and Athens, Greece

## PROFESSIONAL DEVELOPMENT

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### Sustainability Consulting

Aug 2014—Present  
Midwest, Pacific Islands

*JRL Creative (self)*

- Directed sustainability engagements at Wheaton College to double cafeteria plant-based options & install vermicomposting for 50+ students to reduce the school's carbon footprint. Reduced paper waste by 50% over 2 years through recycling campaign to align with Starbucks' environmental sustainability vision. Developed a 100+ page Permaculture Design to implement sustainable food systems for Boar Coffee in Ka'u, Hawai'i. Managed 5-acre Permaculture Garden & 25 volunteers to provide herbs for 3 local restaurants in Kona, Hawai'i

### Resident Assistant

May 2020—Present  
Wheaton, IL

*Wheaton College*

- Executed sustainability initiatives on the floor, leading to a 30% increase in recycling in support of Wheaton College Climate Goals. Problem solved floor events to meet Covid-Safe regulations resulting in safe & enjoyable weekly & monthly events. Maintaining leadership of 26 diverse residents on the floor resulting in effective care & conflict resolution

### Student

Jan 2014—June 2014  
Kailua-Kona, HI

*Permaculture Design Course*

- Learned sustainable agriculture practices such as biochar manufacturing, soil construction, landscape design, management, soil nutrient dynamic, and systems thinking

### Student

Aug 2019  
Los Angeles, CA

*Praxis Academy*

- Won a \$1000 tuition scholarship for Praxis Academy 2019 as a prize for a venture pitch event. Led my club to a one-week conference to equip leaders for societal change through entrepreneurship

## PROFESSIONAL SERVICES & OUTREACH

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### Vice President, Motive: Redemptive Entrepreneurship Club

Aug 2019—May 2020  
Wheaton, IL

*Wheaton College*

- Led a team of 10 to create a student venture incubator resulting in 12 students mentored by faculty & local business owners on social entrepreneurship. Facilitated guest speaker & author Andy Crouch & organized campus-wide event with 100+ attendees

### Vice President, A Rocha: Christian Environmental Club

Aug 2019—May 2020  
Wheaton, IL

*Wheaton College*

- Provided leadership and vision for our team of six through strategic communication, delegating tasks resulting in student body engagement in sustainability initiatives

### Upper-Class Leader, Discipleship Small Groups

Aug 2018—May 2019  
Wheaton, IL

*Wheaton College*

- Led and supported 6 women through weekly events resulting in strong emotional and academic success as a group

### Intern

Jan 2016—July 2016  
Amsterdam, NL

*University of Nations*

- Community outreach and development internship. Directed team of 10 to build relationships with Syrian refugees in support of the transition to Amsterdam. Managed \$35,000 of team finances in Excel, including budgeting & coordinating plans for 3 months. Created classroom curriculum & taught 40+ elementary children environmental stewardship for 5 weeks in Russia. Organized personal & emotional development conference in Russia & delivered a keynote address to 300 young adults. Engaged 3 teams in Israel to remove trash from the shoreline on the Sea of Galilee

## OTHER

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### **Employee, Barista**

Aug 2016—May 2019

*Starbucks*

Kailua, Kona HI & Wheaton, IL

- Worked 30+ hours a week in Kona, HI & Wheaton, IL while completing my education. Barista Trainer, Certified Coffee Master, Sustainability Advocate and Greenery Manager, Regional Barista Competition Champion. Gained customer service skills, dependability, efficiency, and high capacity for multi-tasking. Developed a more efficient system for weekly ordering and store retail and product organizational ensure timeliness and understanding

### **Art Production Assistant**

Nov 2017

*Feature Film: Running for Grace*

Big Island, HI

- Jo the Medicine Runner by David Cunningham, starring Jim Caviezel and Matt Dillon. Crafted sets based on designer's instructions by placing props, background structures, and maximizing budget to assist in reaching designer vision

### **Consultant Project Coordinator**

May 2017

*Documentary*

Europe

- Traveled to Germany and Prague for a documentary, coordinated 100+ interviews, managed travel coordination in excel, photographed and videoed interviews and people for the documentary

### **Key Set Production Assistant**

May—Aug 2015

*TV Series*

Big Island, HI

- Nickelodeon's Paradise Run Season 1 with Daniella Monet. Assistant to the star host of the show, communicated day to day instructions between Monet and assistant director to ensure timeliness and understanding

### **Intern to Film Producer**

Aug 2014—March 2015

*GVS Honua Studios*

Kailua-Kona, Hawai'i

- Devised fundraising materials for a giant screen film venture, *Ring of Fire Films*, using Adobe Creative Suite; provided a clear, visually appealing pitch deck and handouts. Represented *Ring of Fire Films* with a team at the Giant Screen Cinema Association conference in Los Angeles, CA producing new networks and funder connections

## INTERESTS & SYSTEMS

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- Statistical Analysis: Advanced RStudio, JMP, ArcGIS, Aloha Hazard Modeling, Systems Modeling, & Data Visualization
- Microsoft Office 365: Advanced Excel, Word, & PowerPoint
- Environmental & Biology Technical Skills
  - Air & Water Quality Instruments
  - Research & Grant Writing
- Permaculture Design & Plant and Insect ID