

## PROFILE

Skilled sustainability professional, focused on land use management, soil ecology, and experiential education. Highly organized, creative, effective communicator and project manager.

## SKILLS

- Ecosystem Science: Soil-Plant-Insect Interactions
- Organization & Project Implementation
- Group Facilitation & Public Speaking
- Research & Strategic Development
- Scientific & Creative Writing

## TOPICS OF INTEREST

- Regenerative Landscape Design
- Habitat Support: Pollinators & Wildlife
- Ecoliteracy & Experiential Learning
- Soil Carbon Sequestration
- Biodiversity & Agroecology

## EDUCATION

### **Master of Science in Sustainability, Arizona State University, 2018**

Ecosystem ecology, soil science, land use management, and food systems.

### **Bachelors of Arts in Global Studies Arizona State University, 2012** Summa Cum Laude

**Minors:** Sustainability & Spanish

## PUBLICATIONS

Word, M. L., Hall, S., Robinson, B. E., Manneh, B., Beyé, A., & Cease, A. (2019). **Soil-targeted interventions could alleviate locust and grasshopper pest pressure in West Africa.** *Science of the Total Environment*, 663, 632-643. <https://doi.org/10.1016/j.scitotenv.2019.01.313>

In Press:

Le Gall, M., Word, M., Thompson, N., Manneh, B., Beyé, A. & Cease, A. (2019). **Linking land use and the nutritional ecology of herbivores: a case study with the Senegalese locust (*Oedaleus senegalensis*).** *Functional Ecology*.

## EXPERIENCE

### GRADUATE RESEARCH 2016 - 2018

#### **Teaching Assistant**

- Sustainable Food and Farms
- Sustainability & Locusts Lab
- Grading, lesson planning, exam and content creation, mentoring students, and lecturing.

#### **Graduate Research Assistant**

- Conducted soil and plant nutrient biochemical analyses.
- Managed hydroponic wheatgrass production.
- Data analysis and scientific writing skills.
- Managed and mentored undergraduate student workers.
- Guest lectured and presented at ESA national conference.

#### **Fieldwork Experience: Senegal, West Africa**

- Conducted soil, vegetation and insect surveys, farmer surveys and semi-structured interviews.

## DOWNTOWN PHOENIX PARTNERSHIP 2014 - 2016

### **Marketing & Events Coordinator - Phoenix, AZ**

- Co-event lead on 85 events including festivals of 20,000+ attendees
- Managed all pre-planning and day of execution including; vendors, venues, permitting, infrastructure, budgets, timelines and layouts.
- Lead collaboration with The City of Phoenix and ASU to create a sustainable events guide and certification.
- Implemented waste management plans into all events, increasing recycling and composting at DPP produced events by 100%.
- Managed event related marketing deliverables including graphic design, blogs, client/community correspondence, and promotional strategy.

## YOUCHANGE LLC 2012-2013

### **Marketing & Operations Manager - Phoenix, AZ**

- Delivered over 150 educational talks and presentations about the environmental impacts of electronic waste and the consequences of associated supply chains.
- Instrumental in the growth of the company's 20 quarterly sustainability events to over 100 events.
- Oversaw 6 employees, payroll, internal communication, organizational systems, scheduling and reporting.
- Directed the overhaul and redesign of company website and creation of two short video productions.

## INTERNATIONAL WORK 2013 - 2014

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### **RUNA FOUNDATION - Tena, Ecuador**

#### Community Development Intern

- Conducted field and lab research and data analysis of the genetic properties of guayusa seeds.
- Researched optimal production and soil conditions for the guayusa plant.
- Facilitated training and workshops in USDA Organic Certification.
- Administered surveys and meeting coordination with Fair Trade USA.
- Worked closely with Quechua communities in the rural Amazon, holding interviews and community meetings.
- Spanish/English document translation.

### **FUNDACION GAIA PACHA - Cochabamba, Bolivia**

#### Educational Outreach Intern

- Implemented the marketing strategy for Conscious Consumer Initiative and plastic bag alternative program for supermarkets.
- Attended training workshops on effective community outreach techniques.

### **WORLD WIDE OPPORTUNITIES ON ORGANIC FARMS (WOOOF)**

#### Good Nature Farms - Vancouver Island, CA

- Studied organic production methods of a small-scale blueberry farm.
- Harvested, sorted, weighed and packaged organic blueberries.

#### Permaculture Farm - Mendoza, Argentina

- Learned mulching techniques.
- Studied no-till outputs vs. conventional for summer squash production.
- Developed innovated garden layouts for increased water retention.

## PROJECTS & CONSULTING

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### **FIREFLY HORSE CO - Kalispell, MT**

- Developed Equine Experiential Learning Program
- Completed all insurance billing and administrative tasks
- Managed the direct care of 20+ horses
- Consulted on workplace culture and organizational process development

### **Glacier Sound Healing Center - Columbia Falls, MT**

- Workshop development & facilitation

### **CITY CENTER FARMS - Phoenix, AZ**

- Consulted on the vision, strategy, and business plan of a sustainable hydroponic microgreen farm.
- Conducted market research and reporting on agricultural trends, specifically the lettuce industry.

### **GOOD FOOD ALLIES - Phoenix, AZ**

- Blog curator on topics of sustainable food, agricultural systems, politics.
- Managed database entries and increased resource content by 60%.
- Farm & artisan liaison for sustainable initiatives and monitoring best practices.

### **CONTINENTAL SHIFT - Phoenix, AZ**

- Assisted in the creation of a "pop up park" in the Roosevelt Arts District, which addressed urban infill needs.
- Collected and organized data from survey collection and interviews to compile a comprehensive report and suggestion of what elements should be incorporated into the park.
- Organized community events at the park with a focus on education, sustainability, and community.