

## Marie C. Fleming

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### EDUCATION

**University of California, Davis** (Davis, California) **Sep. 2021 – Present**  
PhD Candidate Graduate Group in Ecology, Emphasis in Agriculture and Ecology

**Cornell University** (Ithaca, New York) **May 2020**  
Master of Professional Studies, International Agriculture and Rural Development, GPA: 4.00

**Pitzer College** (Claremont, California) **May 2016**  
Bachelor of Arts, Environmental Analysis, Minor in Africana Studies

### PROFESSIONAL EXPERIENCE

**Department of Natural Resources, Cornell University** (Ithaca, NY) **Aug. 2019 – 2020**  
*Graduate Research Assistant*

- Co-developed the literature review and co-designed and prepared a manuscript for journal publication pertaining to integrated landscape management and agroforestry

**Dyson School of Applied Economics and Management, Cornell University** (Ithaca, NY) **Oct. 2019 – May 2020**  
*SMART Emerging Markets Research Program*

- Student consulting team collaborated with a woman-led social enterprise, Azuri Health Ltd. in Thika, Kenya in strengthening its business and marketing strategy
- Conducted market research and analysis in Nairobi, Kenya, designed surveys, conducted focus groups, social-media advertising strategies, and created a business case study

**Peace Corps** (Madagascar) **Feb. 2017 – April 2019**  
*Agriculture Extension Agent*

- Created and managed a rural farmers' vanilla cooperative, creating 12 new jobs and including 200 farmer participants from 4 different communities
- Consulted with key stakeholders on behalf of the farmers' cooperative in establishing market linkages with a private sector international export partner
- Facilitated organizational, management and sustainability trainings with farmer cooperative board members and measured performance indicators
- Developed and completed an environmental leadership grant which included a school-wide environmental workshop day and the planting of endemic trees
- Secured grant funding for the construction of a community basketball court and coached a youth basketball team
- President of the Peace Corps Food Security Committee and Agriculture Sector Trainer of Peace Corps trainees
- Designed nutrition-sensitive permaculture demo-gardens with students and conducted informational sessions on nutrition using cooking demos with new mothers
- Collaborated with local teachers in the establishment of a community English learning language center

**The Trustees Youth Conservation Corps** (Boston, MA) **May 2016 – Aug. 2016**  
*Supervisor*

- Directly supervised youth crew members in conservation efforts in urban wilds (forests and wetlands)
- Created on-the-job training, coaching and curriculum based experiential learning activities for crew members
- Collaborated with local academic institutions, donors, and community members to fulfill collective forest conservation goals

## INTERNSHIPS

### **Catholic Relief Services (Remote)**

**July. 2020 – Nov. 2021**

#### *Research Intern*

- Review and synthesize literature on the effect of climate change on the nutritional quality of food with a gender-sensitive lens

### **Lone Tree Institute & Wildlife Reserve (Nicaragua)**

**July 2015 – Aug. 2015**

#### *Field Assistant*

- Supported site data collection and the reforestation of native trees on the El Nisperal coffee farm for the non-profit, The Lone Tree Institute
- Aided in trail maintenance, biodiversity enrichment, community engagement, and conservation research for El Nisperal, a certified organic (USDA), Bird-Friendly (Smithsonian) coffee farm

### **Okavango Research Institute Botswana – Pitzer College Study Abroad (Botswana)**

**Aug. – Dec. 2015**

#### *Field Assistant*

- Conducted Human-Wildlife Conflict research pertaining to the development of alternative government compensation schemes for crop-raiding elephant damage and lion predation on livestock
- Analyzed qualitative data and conducted individual/household interviews with smallholder farmers in rural communities surrounding the Okavango Delta regarding the adoption of alternative elephant crop raiding deterrent technologies
- Developed summary reports and presentations of key lessons learned to the Okavango Research Institute, Maun

### **Leadership in Environmental Education Partnership (Claremont, CA)**

**Jan. – May 2014**

#### *Student Teacher*

- Student teacher and intern for LEEP program in environmental science
- Developed an interdisciplinary approach to learning in an outdoor classroom at the Claremont Colleges Bernard Field Station

## SPECIALIZED SKILLS & TRAININGS

**Computers:** R studio, Microsoft Office Suite, Adobe Photoshop and Illustrator

**Languages:** Advanced Malagasy; basic French, Setswana, and Chinese

**Certifications:** GIS (2015), LEEP Educator (2015)

### **Peace Corps Pre-Service Training (Antananarivo, Madagascar)**

- Intensive 3 - month field-based training consisting of 138 hours of Malagasy language, 110 hours technical training (agriculture education), and 68 hours of cross-cultural training
- Lived and interacted successfully with Malagasy host family during community-based training

## ACADEMIC HONORS & ACCOMPLISHMENTS

**Academic Achievements:** Dean's Distinguished Graduate Fellowship 2021-2024 (UC Davis), Paul D. Coverdell Fellowship Award 2019-2020 (Cornell University), Two-time Nancy Penick McGarry Endowed Academic Scholarship Recipient 2012-2014 (Pitzer College)

## PUBLICATIONS

Buck L., Scherr S., Trujillo L., Mecham J., Fleming M. (2020). Using integrated landscape management to scale agroforestry: Examples from Ecuador. *Sustainability Science Special Issue: Agroforestry for sustainable landscape management*.

Fleming M and Davis V. (2020). The effect of soil degradation on the nutritional quality of food [unpublished manuscript]. Catholic Relief Services: Baltimore.

Fleming M. (2020). An Analysis of Women-led Enterprises in the Mango Value Chain in Emerging Economies: Case Study of Azuri Health Ltd. In Thika, Kenya [unpublished master's thesis]. Cornell University, Department of Global Development.