

Valerie Jo Stull, PhD, MPH

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Education

Doctor of Philosophy, Environment and Resources (2018)

Nelson Institute for Environmental Studies, University of Wisconsin-Madison

- Dissertation: *Improving Global Health Through Insects: The Feasibility, Acceptability, and Potential Impact of Small-Scale Minilivestock Farming, with a Case Study of Zambia*
- Advisors: Drs. Jonathan Patz & Michael Mayerfeld Bell
- Research Areas: Food Security, Food Sovereignty, Sustainable Agriculture & Climate Change, Global Health & Human Nutrition, Edible Insects, Health Impact Assessment

Master of Public Health, Emphasis: Human Nutrition (2009)

Kansas State University, Manhattan, Kansas

- Thesis: *Agriculture Programs Impacting Food Security in Two HIV/AIDS-affected Kenyan and Zambian Communities*

Bachelor of Arts, English and Nutritional Science [Minor] (2007)

Colorado State University, Fort Collins, Colorado

- *Cum laude* and University Honors Scholar

Selected Grants & Awards

- Title: **National Institute of Food and Agriculture (NIFA): Colorado Agricultural Experiment Station (CAES) Grant** (co-PI)
Agency: United States Department of Agriculture Amount: \$60,000 Date: 2020
- Named a 2019 **Leader in Global Health** by Women in Global Health, Midwest Chapter
- Title: **Young African Leaders Initiative (YALI) Continuing Connections Travel Award**
Agency: UW-Madison Amount: \$5,000 Date: 2019
- Title: **Contemporary Social Problems Initiative Award**
Agency: UW-Madison Amount: \$100,000 Date: 2019-2021
- Title: **Baldwin Research Award** (co-PI)
Agency: UW-Madison Amount: \$4,000 Date: 2019 - 2020
- Title: **Fulbright U.S. Student Research Award** (Zambia) for dissertation research
Agency: Fulbright Amount: \$23,000 Date: 2015-2016
- Title: **Climate Quest Competition** (climate change and agriculture research)
Agency: UW-Madison Amount: \$125,000 Date: 2015
- Title: **Center for Integrated Agricultural Systems (CIAS) Mini-Grant**
Agency: CIAS, UW-Madison Amount: \$2,000 Date: 2014
- Title: National **Agriculture Innovation Prize** for team project and business plan
Agency: Howard G. Buffet Foundation Amount: \$26,000 Date: 2014
- Title: **Global Stewards in Sustainability Prize** for insect cultivation project design
Agency: UW-Madison Amount: \$10,000 Date: 2014
- Title: **Student Abstract Winner** for research on breastfeeding behaviors in Kenya
Agency: Society for Nutrition Education Conference Date: 2010
- Various Scholarships & Fellowships:
 - Dissertation Completion Fellowship, University of Wisconsin-Madison (2017)
 - International Service Scholarship, Kansas State University (2008 & 2009)
 - Nutrition Education Scholarship, Kansas State University (2009)

Nina M. Browning Memorial Scholarship, Kansas State University (2007-2008)
National Science Foundation International Experience Award, Peru (2007)

Peer Reviewed Publications

1. Smith, M., **Stull, V.J.**, Patz, J.A., and Myers, S. (*under Review, 2021*). “Nutritional and health benefits of increasing insect consumption in Africa and Asia.” *Environmental Research Letters*.
2. **Stull, V.J.** (2021). “Impacts of Insect Consumption on Human Health: A Review.” *Journal of Insects as Food and Feed*.
3. Limaye, V.S., Grabow, M.L., **Stull, V.J.**, and Patz, J.A. (2020) “Developing a Definition of Climate and Health Literacy.” *Health Affairs*.
4. DiPrete Brown, L., Atapattu, S., **Stull, V.J.**, Calderón, C.I., Huambachano, M., Houénou M.J.P., Snider, A., and Monzón, A. (2020) “From a Three-Legged Stool to a Three-Dimensional World: Integrating Rights, Gender and Indigenous Knowledge into Sustainability Practice and Law.” *Sustainability*.
5. Bergmans, R.S., Nikodemova, M., **Stull, V.J.**, Rapp, A., and Malecki, K.M. (2020) “Comparison of cricket diet with peanut-based and milk-based diets in the recovery from protein malnutrition in mice and the impact on growth, metabolism and immune function.” *PLOS-One*.
6. Patz, J.A., **Stull, V.J.**, and Limaye, V.S. (2020) “A Low-Carbon Future Could Improve Global Health and Achieve Economic Benefits.” *Journal of the American Medical Association*.
7. **Stull, V.J.** and Patz, J.A. (2019) “Research and policy priorities for edible insects.” *Sustainability Science*.
8. **Stull, V.J.**, Kersten, M., Bergmans, R.S., Patz, J.A., Paskewitz, S. (2019) “Crude Protein, Amino Acid, and Iron Content of *Tenebrio molitor* Reared on an Agricultural Byproduct from Maize Production: an Exploratory Study.” *Annals of the Entomological Society of America*.
9. **Stull, V.J.**, Finer, E., Bergmans, R.S., Febvre, H., Longhurst, C., Manter, D., Patz, J., Weir, T. (2018) “Impact of Edible Cricket Consumption and Gut Microbiota in Healthy Adults, a Double-blind Crossover Trial.” *Scientific Reports*.
10. **Stull, V.J.**, Wamulume, M., Mwalukanga, M.I., Banda, A., Bergmans, R.S., Bell, M.M. (2018) “We Like Insects Here: Entomophagy and Society in a Zambian Village.” *Agriculture and Human Values*.
11. Mason, J.B., Black, R., Booth, S.L., Brentano, A., Broadbent, B., Connolly, P., Finley, J., Goldin, J., Griffin, T., Hagen, K., Lesnik, J., Lewis, G., Pan, Z., Morales Ramos, J., Ranalli, M., Shockly, M., **Stull, V.J.**, Swietlik, D. (2018) “Fostering strategies to expand the consumption of edible insects: the value of a tripartite coalition between academia, industry, and government.” *Current Developments in Nutrition*.
12. **Stull, V.**, Bell, M., and Newadi, M. (2016) “Environmental Apartheid: Eco-Health and Rural Marginalization in South Africa.” *Journal of Rural Studies*.
13. Weir, T., **Stull, V.**, Badri, D., Trunck, L., Schweizer, H., Vivanco, J. (2008) “Global Gene Expression Profiles Suggest an Important Role for Nutrient Acquisition in Early Pathogenesis in a Plant Model of *Pseudomonas aeruginosa* Infection.” *Applied & Environmental Microbiology* 74 (18): 5784-94.
14. Weir, T., Bais, H., **Stull, V.**, Callaway, R., Thelen, G., Ridenour, W., Bhamidi, S., Stermitz, F., and Vivanco, J. (2006) “Oxalate contributes to the resistance of *Gaillardia grandiflora* and *Lupinus sericeus* to a phytotoxin produced by *Centaurea maculosa*.” *Planta* 223: 785-795

Book Chapters, Poems, and Other Publications

- **Stull, V.** and Bell, M. (2018) “Just Food: Sustenance, Fairness, and Biodiversity” in *Promoting Biodiversity in Food Systems*, edited by I. Hawkins, 1st edition. Taylor & Francis.
- **Stull, V.**, Nkunika, P., and Bergmans, R. (2016) “The New Protein: Benefits of Insect Foods.” *Science Tech. News*. Volume 12, No. 1, pgs. 9-12.
- **Stull, V.** and Patz, J. (2015) “Agriculture Policy.” In *Climate Change and Public Health*, edited by B. Levy and J. Patz, 1st edition. Oxford; New York: Oxford University Press.
- **Stull, V.**, Norris, T., and Matthews, M. (2010) *Data Sets, Data Platforms, Data Utility: Resource Compendium*. Oakland, CA: Public Health Institute.
- Nine original poems Published in the *Spiritus Mundi, A Collective Memory*, Honors Literary Magazine, (Spring 2004, 2005, 2006 and 2007), five original poems published in *A*, the Colorado State University Undergraduate Literary Magazine (2005, 2006, and 2007)

Selected Press Coverage

- Interviewed for newspaper article. Title: [To ensure that 10 billion future people can eat, look at your carbon ‘foodprint’ today](#). Milwaukee Journal Sentinel. April, 2019.
- Invited Podcast Guest. Best of Health, KVMR-FM Nevada City CA. September, 2018.
- University of Wisconsin News. [Eating crickets can be good for your gut, according to new clinical trial](#). August, 2018.
- Science update, AAAS. [Edible Crickets and Gut Health](#). August, 2018.
- Invited Interview: Lake Effect, NPR WUWM Milwaukee Public Radio, with Mitch Teich. [How Insects Could Help Solve Global Food Challenges](#). August, 2017.
- University of Wisconsin News. [Could squirmly livestock dent Africa’s Protein Deficit?](#) February, 2015.

Research Experience

Postdoctoral Research Associate – Global Health Institute, UW-Madison

August 2018 – Present

- Leading institute research on sustainable food systems, food security, and food sovereignty
- Writing grants, original manuscripts, and review papers
- Speaking at public and university events; lecturing in undergraduate courses
- Investigating strategies to promote a low-carbon economy including agricultural practices that adapt and mitigate against climate change while promoting human nutrition (e.g., dietary shifts, food waste reduction, perennialization, and ecofootprints of diets)
- Directing **The Mission to Improve Global Health Through Insects (MIGHTi) Project** at UW-Madison, which I co-founded in 2014
 - Conducting qualitative and quantitative research investigating the social, environmental, and health implications of edible insect cultivation and consumption
 - Managing institutional relationships and an interdisciplinary team with multiple projects in the United States, Guatemala, Zambia, and South Africa
- Coordinating gender and climate change consortium with collaborators in Ivory Coast
- Developing curricula for proposed global health major to feature a food systems track
- Managing new **Planetary Health Scholarship Program** for graduate students
- Teaching new graduate course “Climate Change and Planetary Health” online – Spring 2021

Researcher – The Livelihood, Agroecology, Nutrition, and Development (LAND) Project, Eastern Cape, South Africa, Center for Integrated Agricultural Systems (CIAS), UW-Madison

January 2013 – July 2014; January – June 2015; June – August 2016; September 2017 – June 2018

- Wrote grants and coordinated collaborative research on sustainable agriculture and livelihood development in the Engcobo district of the Eastern Cape, South Africa
- Assisted in strategic project planning, health integration, and project evaluation
- Investigated environmental apartheid impacts on health and well-being in the Eastern Cape

Fulbright Researcher – Institute for Economic and Social Research, University of Zambia, Lusaka, Zambia

September 2015 – June 2016

- Conducted ethnographic field research on social perceptions of edible insect consumption in rural Zambian village
- Investigated food safety of edible insects processed using traditional methods
- Enumerated community surveys, evaluated agricultural practices, and assessed soil fertility

Graduate Program Assistant – Department of Medical History and Bioethics, UW-Madison

August 2014 – Dec 2014

- Assisted with historical and archival research on medical history and bioethics
- Developed interdisciplinary undergraduate course curricula
- Processed mail and provided support for other office organizational tasks

Research Assistant – Urban Gardens & Community Development, Kansas State University, Manhattan, KS

January 2010 – May 2010

- Developed and coordinated household survey of community members in Wyandotte County, Kansas City, Kansas regarding attitudes and perceptions of community, environment, health, diet, and various socioeconomic variables as baseline measurements for sociological and public health research
- Designed training materials for community enumerators and organized data collection

Program Evaluator – Comfort the Children International Community Garden Project, Maai Mabi, Kenya

June 2009 – July 2009

- Conducted individual surveys of garden participants, focus group discussions, and interviews to evaluate agriculture and nutrition program after 1 year of implementation
- Recommended improvements for program moving forward

Program Evaluator, Intern – HelpMercy International, Macha, Zambia

June 2008 – August 2008

- Conducted household surveys to evaluate the uses and usefulness of various seeds and seed types distributed to HIV-positive beneficiaries in the Macha catchment
- Reported back recommendations for future intervention projects in Zambia

Research Intern – National Science Foundation, Medicinal Plants Project, Tambopata, Peru

August 2007

- Researched microbial diversity in the Amazon with collaborative program
- Established experimental sites for monitoring allelopathic chemical interactions between plants, plant-insect interactions, and general chemical ecology in the neotropics

Research Assistant – Dr. Jorge Vivanco’s Laboratory, Colorado State University Department of Agriculture, the Center for Rhizosphere Biology, Fort Collins, Colorado

June 2004 – August 2007

- Assisted post-doctoral and graduate student researchers with preparation of laboratory experiments in microbiology, biochemistry, and rhizosphere biology
- Set-up and conducted cell culture, nematode populations, HPLC analysis, NMR analysis, extraction and purification of root exudates, analysis, and experimentation
- Edited scientific papers for journal submission

Teaching and Tutoring Experience

Module Instructor – Sustainable Food Systems in “Health Impact Assessment of Global Environmental Change” Population Health / Environmental Science 560. UW-Madison, Nelson Institute for Environmental Studies.

2015 (Spring), 2016 (Spring), 2017 (Spring), 2018 (Spring & Fall)

- Developed and taught sustainable food systems module for survey course including lectures on food security, climate change, human nutrition, and sustainable agriculture
- Created assignments and learning evaluation plans

Co-Instructor – “The Agroecology of Health: Water, Food, and Wellbeing, South Africa.” Inter-Ag and Nutritional Sciences 421, Global Health Field Experience. UW- Madison, Department of Nutritional Sciences

Fall & Jan-term: 2014, 2015, & 2017

- Coordinated, taught, and led a 3 week undergraduate field course to the Gauteng and the Eastern Cape Provinces, South Africa for 10-15 undergraduate global health students
- Developed curriculum combining agroecology, food security, and health for an interdisciplinary approach to global environmental health

Graduate Teaching Assistant – “Climate Change Policy and Public Health” MOOC. Nelson Institute for Environmental Studies, UW- Madison

August 2014 – August 2015

- Coordinated and developed curriculum for Massive Open Online Course (MOOC) taught by Dr. Jonathan Patz using Coursera online platform
- Managed course technical content and assisted with course plan for online assignments, videos, student communications, and guest participants for course open to students around the globe

Graduate Teaching Assistant – Nelson Institute for Environmental Studies, UW-Madison

August 2012 – May 2013, January 2014 – May 2014

- Organized online material, managed student grades, and developed course content for graduate-level survey course “Health Impact Assessment of Global Environmental Change”
- Designed innovative “flipped classroom” model for course
- Managed course schedule, synchronized guest lecturers, and coordinated client-based student projects

August 2013 – December 2013

Graduate Teaching Assistant – Department of Community and Environmental Sociology, UW-Madison

- Facilitated and taught three discussion sections for undergraduate students taking the course, “Nature, Faith, and Community” CES541 combining issues of social justice and environmentalism with religion and politics

- Graded assignments and and basic discussion organization

Graduate Teaching Assistant – Department of Medical History and Bioethics, UW-Madison

January 2012 – May 2012

- Facilitated and taught four discussion sections for undergraduate students taking the course, “Global Environmental Health: An Interdisciplinary Introduction”
- Coordinated and graded student assignments in collaboration with course professor
- Prepared, presented, taught course lectures, and managed grades for classes of 20+ students

Graduate Research Assistant – Leasure Hall Tutoring Center, Kansas State University

August 2009 – December 2009

- Hired, trained, assisted, and managed over 50 undergraduate tutors
- Tutored undergraduate and graduate students in English and composition (grammar and organization structure)

Graduate Teaching Assistant – Department of Human Nutrition, Kansas State University

August 2007 – May 2009

- Created, organized, and graded student assignments and exams for Basic Nutrition Course
- Coordinated internet based assignments, due dates, and managed course grades for both on campus and distance education sections of the course
- Prepared, presented, and taught course lectures to classes of 200+ students
- Managed online course website using K-State Online system

Academic Tutor – Student Services for Intercollegiate Athletic, Academic Learning Center, Kansas State University

August 2008 – December 2009

- Served as an academic mentor for student athletes
- Provided academic tutoring, assistance, and support for English and basic science courses to student athletes individually and in groups

Professional Experience

Independent Consultant (Part-time)

2019 – Present

- *Research Consultant*, Potsdam Institute for Climate Impact Research and Charité Universitätsmedizin - Germany. Spearheading data analysis and manuscript writing on the Biochar-Urine Nutrient Cycling for Health Scale project (BUNCH2Scale) (November 2020 – present)
- *Evaluation Specialist*, USAID-funded Strengthening Agriculture and Nutrition Extension (SANE) in Malawi with AgReach at the University of Illinois. Conducted rapid qualitative assessment of 5 year project through focus group discussions and key informant interviews with more than 150 respondents to generate a 45 page published report (February – May, 2020)
- *Technical Advisor*, Tiny Farms, Inc. Provided grant writing support and strategic development for food safety and human health research. (January – June, 2019)

Associate, Middle East Region on “United States Agency for International Development (USAID) Palestinian Health Sector Reform and Development Project” (Flagship), Chemonics International Inc., Washington, DC

2010 – 2012

- Oversaw daily project administration and management via field office communication, travel logistics, budget analysis, consultant backstopping, and subcontractor relations
- Provided technical and editorial support to project staff

- Spearheaded project knowledge sharing of best healthcare practices through health conference participation and presentations (e.g., American Public Health Association)
- Scripted proposal sections, reviewed and edited proposal components, engaged in new business recruitment (proposal areas included: health, education, and energy with projects in India, Jordan, Ethiopia, and Zambia)
- Assisted with Chemonics' practice networks, including Health Practice Group
- Served as resource and core team member of *Nutrition Task Force*
- Co-developed capacity building strategies for in-country partners including government agencies

Nutrition Consultant for USAID, Chemonics International, Washington, DC and Ramallah, West Bank

June 2011 – December 2011

- Provided short-term technical assistance to the “Palestinian Health Sector Reform and Development Project”
- Assisted in project work planning and technical activities related to clinical nutrition and preventative health
- Supported institutional and capacity development of Ministry of Health in West Bank related to nutrition at hospitals and clinics
- Collaborated with stakeholders to draft a *Nutrition and Food Services Policy* for use at Ministry of Health (MOH) clinics in the West and integrated with Project's Health Information System, food safety standards, and nutrition care policies

Independent Project Consultant with following organizations:

July 2009 – July 2010

Kansas State University Extension, Expanded Food and Nutrition Education Program (EFNEP): June 2010-August 2010

- Research assistant, conducted quality of life surveys of EFNEP professionals, paraprofessionals, and community partners
- Transcribed survey responses for qualitative coding and cleaned data

Tyler Norris, Creating Healthy Communities, Boulder, Colorado: January 2010-July 2010

- Edited and developed presentation materials for Healthy Communities conferences
- Developed the “Data sets, Data platforms, *Data utility*: Data Utility Resource Compendium” in collaboration with Tyler Norris for the Public Health Institute

Public Health Institute, California: May 2010-July 2010

- Coordinated 20+ health data/public health organizations to develop web-based resource for “Data sets, Data platforms, *Data utility*: Data Utility Resource Compendium”
- Edited and organized sources for user-friendly accessibility of web-resource

WPM Consulting, LLC, Boulder, Colorado: July-November 2009

- Led team on LiveWell Colorado project to develop a statewide Food Policy Blueprint to guide healthy food and healthy eating advocacy efforts
- Researched, organized, and condensed blueprint to analyze food, nutrition and agricultural data to develop comprehensive statewide food policy strategy

Invited External Talks

- Invited Keynote, Austin Registered Dietitians Alliance, 2020 Wellness Symposium. Talk Title: *Tiny Bites for Health*.
- Invited Speaker, Planetary Health Conference, 2019. Plenary Flash Talk. Title: [*For Food Security Woes, Think Small*](#).
- Invited Speaker, Satellite Session: Planetary Health: One Health Solutions to Improve the Health of People and the Planet. Consortium of Universities for Global Health (CUGH) Annual Conference. Presentation Title: *How should we eat? Rethinking Food Production & Consumption for Planetary Health*. March 2019.
- Guest Speaker, “Food and Social Justice (undergraduate course).” Edgewood College. Presentation Title: *Insects for the People: Can we Fork Up the Benefits of Six-Legged Livestock?* October 2018 and October 2019.
- Keynote Speaker, Chitin and the Human Gut Biome Conference, Montana State University. Presentation Title: *What’s Hopping? Edible Cricket Consumption and Gut Microbiota in Healthy Adults, a Double-blind Crossover Trial*. February 2018.
- Invited Speaker, Food Science & Human Nutrition Seminar at Colorado State University. Presentation Title: *Let them Eat Bugs! Insects & the Search for Sustainable Protein (MIGHTi Research Synopsis)*. February 2017.
- Invited Speaker, Seminar, Institute for Social and Economic Research, University of Zambia. Presentation Title: *Understanding Edible Insect Consumption in Zambia: the Case for Future Farming*. May 2016.

Campus and Departmental Talks – University of Wisconsin-Madison

- Invited Panelist, From Dirt to Diets: How A Changing World Impacts the Way We Eat. Nelson Institute Earth Day Conference. Presentation Title: *How should we eat? Bugs for a better tomorrow*. April 2019.
- Featured Talk, Global Health Tuesday Seminar Series. Presentation Title: *Six-legged Livestock? Edible Insect for Global Health*. January 2019.
- Guest Speaker, Department of Entomology Seminar. Presentation Title: *Insects as Food: Exploring Six-Legged Livestock*. November 2018.
- Guest Speaker: Food Research Institute. Presentation Title: *Bugs for your Bugs! New Frontiers in Edible Insects Research*. September 2018.
- Invited Speaker, Wisconsin Union Directorate – Culinary Group. Presentation Title: *Keep Calm and Take a Bite of Your Cricket Cookie*. November 2017.
- Invited Speaker, Representing Research in International Development Organizations: A Panel on Bridging Gaps. 4W. April 2017.
- Invited Speaker, Climate, People, and the Environment Program Seminar. Presentation Title: *Let them Eat Bugs! Insects and the Search for Sustainable Protein*. November 2016.
- Invited Speaker, Undergraduate Entomology Club. Presentation: *Farmed Insects and Sustainable Protein*. March 2015.
- Speaker, UW Global Health Symposium 2015: Advancing Health in an Interconnected World. Title: *Farmed Insects as a Sustainable Protein Source in Zambia*. April, 2015.
- Speaker, Earth Day Conference. Title: *Let them Eat Bugs! Insects and the Search for Sustainable Protein*. April 2015.
- Invited Speaker, International Agriculture Colloquium. Presentation Title: *Agriculture, Food Security, & Society: Insights from South Africa*. April 2014.

Other Recent Conference Participation

- Moderator and panel facilitator, Insects to Feed the World Annual Conference, Nov 2020.
- Speaker, Women's and Gender Studies Consortium Conference and 4W Summit. Title: *Planetary Pioneers: Women Blazing Trails for the Environment & Education*. April 2019.
- Speaker, American Public Health Association Conference. Title: *What's Hopping? Impact of Edible Crickets on Human Gut Bacteria*. November 2017.
- Speaker, American Association of Geographers. Title: *Edible Insects in Society, Do They Have a Future?: a Rural Zambian Case Study*. April, 2017.
- Speaker, American Public Health Association Conference. Title: *Insect Farming and Public Health*. November 2015.
- Poster Presenter, UW Ninth Annual Global Health Symposium, 2013. Poster Title: *A small-scale agriculture program impacting food security in one HIV/AIDS-affected Zambian community: Analyses and Improvements*. April 2013.
- Poster Presenter, American Public Health Association Conference. Poster Title: *A small-scale agriculture program impacting food security in one HIV/AIDS-affected Zambian community: Analyses and Improvements*. November 2010.
- Poster Presenter, Society for Nutrition Education Conference. Poster Title: *Breastfeeding behaviors and attitudes in Maai Mahiu, Kenya*. July, 2010.
- Speaker, African Issues Symposium. Presentation Title: *Kansas to Kenya: The Nutrition and Health Improvement Team*. April 2009.

Educational and Community Event Coordination and Management

Coordinator: Whose Food, Whose Land? A Conversation on Global Food Sovereignty. Panel Event (2019)

- Organized an evening event and panel discussion with 5 speakers from the campus and the community

Coordinator: Swarm-to-Table Event Series (2018 – 2019)

- Organized and raised funds for a three-day educational event series featuring presentations by leading researchers in the field of insect agriculture and experts in insect cuisine, pairings of edible insects with Wisconsin craft beers, and a multi-course insect banquet and art show.
- Built event website and managed event budget

Conference Planner: Eating Insects Athens Conference (2017 – 2018)

- Managed and coordinated conference program schedule, read and graded abstract proposals, communicated with attendees, keynote speakers
- Built conference website

Coordinator: Community Solutions, the Agroecology of Development Event Series (2015)

- Organized public symposium that brought five African leaders to speak at UW-Madison
- Managed budget, speakers travel, schedules, academic talks, and community engagement

Race Coordinator & Event Founder: FAAST 5K Race and Fundraiser (2010 – 2011)

- Organized, managed, and implemented annual 5k fundraiser race on university campus
- Developed event website, designed promotional materials, managed race registration
- Coordinated race day proceedings, managed 20+ volunteers, liaised with 130+ participants at Kansas State University

Leadership & Service

Board Member & Volunteer – Kidlinks World (non-profit), Madison, Wisconsin and Johannesburg, South Africa

September 2014 – Present

- Providing administrative and organizational support for fundraising, project planning, organization, and outreach
- Coordinating field-projects for US volunteers and students

Technical Assistant – Village Makeover, Cyanika, Rwanda

May 2012 - Present

- Assess and develop programs including agricultural training, school garden, rabbit breeding, and potato storage systems for farming cooperatives
- Provide technical support and assistance to in-country volunteers and program funders
- Develop monitoring and evaluation plan for programs, organize training sessions

Co-Leader – International Agriculture Colloquium (IAC) Student Organization – UW-Madison

May 2014 – May 2016

- Managed events and volunteer activities to encourage frank and constructive discussion on development and food security, convening students and experts across disciplines
- Co-led student team and secured funding for events from departments and grants

Mentor – Nelson Institute for Environmental Studies Mentor Match Program, UW-Madison

January 2013 – May 2014; September 2016 – May 2017

- Mentored undergraduate students, including first generation college students
- Met bi-monthly to discuss mentee's academic progress, career plans, and provide resources
- Participated in mentorship training and inclusion workshops

Intern – TeachAIDS

May 2012 – May 2014

- Provided outreach and delivery support to TeachAIDS (<http://teach aids.org/>)
- Supported administrative staff, assisted with curriculum distribution to eligible beneficiaries
- Wrote project blog articles and transcribed interviews with HIV-prevention advocates

Volunteer – Kansas to Kenya Community Team, Maai Mahiu, Kenya

June 2012

- Supported community team to provide support and training for internally displaced people
- Provided culturally appropriate nutrition education to women, mothers, and caregivers

Volunteer – Village Makeover, Butete School Garden Project, Cyanika, Rwanda

September 2011

- Planned, managed, and implemented school garden project to increase diet diversification for primary and secondary school children
- Facilitated collaboration between Kenya-based NGO and Village Makeover
- Provided nutrition education to garden beneficiaries

Volunteer Race Coordinator & Founder – “Fair-trade Awareness, Africa’s Sustainability. Together.” FAAST 5K Race and Fundraiser, Manhattan, Kansas

January 2009 - April 2010

- Organized, managed, and implemented annual 5k fundraiser race on university campus
- Developed event website, designed promotional materials, managed race registration
- Coordinated race day proceedings, managed 20+ volunteers, liaised with 130+ participants

Volunteer—Comfort the Children International Medical Team, Maai Mahiu, Kenya

July 2008 and 2009

- Provided culturally appropriate nutrition education to women, mothers, and caregivers
- Disseminated information on breastfeeding, complementary feeding, nutrition, HIV/AIDS, diet diversification, and oral hygiene to women and children in the Maai Mahiu community
- Developed and utilized culturally-competent educational flip-chart for community nutrition education and afterschool sessions written in English and Swahili

Other Community Volunteer Experience

- Garden Club Coordinator, Project PLANTS, a community-based nutrition, gardening, and physical activity club for elementary students, August - January 2009
- Jardine Community Center Academic Tutor, Manhattan, Kansas, August 2008 - May 2009
- Manhattan Parks and Recreation Department Coach, 6th grade girls, spring recreational soccer season, February – April 2008
- Writing Facilitator, “Speak Out! Women’s Writing Workshop,” assisting incarcerated women through the Center for Community Literacy in Fort Collins, Colorado, January – May 2007
- Childcare Provider—Inkululeko Babies Home, Vryheid, South Africa – May-June 2005

Language & Technical Skills

- Intermediate Spanish, Beginner Nyanja, Swahili, Kinyarwanda
- Statistical Languages: R, SPSS, NVivo
- Geospatial Programs: ENVI, qGIS
- General: MS Office (Word, Excel, PPT), Qualtrics, Wordpress
- Learning Platforms: Canvas, Desire2Learn, Moodle, Coursera
- Design: Adobe Illustrator, Photoshop, Wix
- Program management and financial planning
- Event coordination and fundraising

Professional Society Memberships

- American Public Health Association (APHA): 2015 – Present
- American Association of Geographers (AAG): 2016 – Present
- North American Coalition for Insect Agriculture (NACIA): 2018 – Present