

MADELINE N. KANGAS

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EDUCATION

University of Illinois at Urbana-Champaign 2017-present
Masters of Science, Natural Resources and Environmental Sciences (in progress)
Advisor: Dr. James Miller

University of Illinois at Urbana-Champaign December 2016
Bachelor of Science with Honors, Natural Resources and Environmental Sciences

WORK EXPERIENCE

March 2016-
Aug 2017 **University of Illinois Extension**, Champaign, IL
Master Naturalist Program Coordinator

- Responsible for the implementation of an education and volunteer program to recruit, train and manage 281 Master Naturalists and 38 trainees throughout East Central Illinois
- Coordinated 13 session training course for Master Naturalist trainees by securing classroom locations, scheduling instructors, interviewing and selecting recruits, and assembling training manuals and materials
- Assisted in the development and delivery of Pollinator Pocket People training to 49 participants who will advocate community involvement in the Pollinator Pocket program
- Represent University of Illinois Extension through various medias (website content management, Facebook, television appearances, and blogging)

Feb 2016-
Feb 2017 **Prairie Research Institute**, Champaign, IL
Restoration Technician

- Duties consisted of seed collection, seed preparation, maintaining greenhouse plants, transplanting, identifying and labeling plants, weeding, removal of invasive species, herbicide application, and leading volunteers in these activities in prairie and woodland sites
- 20 acres of woodland cleared of honeysuckle, *Locicera maackii* and *L. japonica*

Aug 2013-
Jan 2017 **Spurlock Museum**, Urbana, IL
Integrated Pest Management Assistant

- Authored over 50 reports on insect entry patterns and devised treatment plans
- Assisted in achieving Green Shield certification, a standard for responsible and environmentally friendly pesticide use
- Collaborated with another staff member to amend outdated instructional manual

Summer
2015 **Philmont Scout Ranch**, Cimarron, NM
Conservation Site Foreman

- Led restoration of 3,000 feet of trail to native habitat
- Trained and supervised two beginning staff members
- Worked alongside staff members to provide between 30 and 100 volunteers per day with proper instruction and guidance in tool use and conservation practices
- Oversaw volunteers as they implemented the skills they just learned
- Responsible for all safety and operations at the conservation site

- Summer 2014 **Philmont Scout Ranch**, Cimarron, NM
Conservationist
- Supervised 10-60 volunteers daily in projects ranging from trail building to invasive species removal to meadow encroachment

GRANTS

Ratcliffe, S.T., K. Estes, **M. Kangas**, D. Plewa. 2017. Illinois State-Based IPM Program: E-IP 2017 – 2020 Coordination Project. USDA NIFA. Awarded \$621,749.

Miller, J. R., **M. Kangas**. 2018. Illinois agricultural production pollinator habitat utilization survey. North Central Integrated Pest Management Center. Awarded \$20,000.

UNIVERSITY AFFILIATIONS

- 2015-2016 **Red Bison Ecological Restoration**
- Cooperate with local prairie restoration groups on a variety of sites in East Central Illinois to create landscapes that maintain biological diversity around campus and build community's ties to nature
 - Eliminate invasive species, collect seeds, plant flowers, conduct controlled burns
 - Actively educate the public about the importance of prairie remnants

- 2013-2016 **Students for Environmental Concerns (SECS)**
2015-2016 *Community Outreach and Education Committee Chair*
- Developed and delivered lesson plans on energy and water conservation, native species, Leave No Trace, and recycling to local third grade classrooms
 - Conducted on campus workshops on eco-friendly cleaning and personal care products, vegan cooking
- 2014-2015 *Social Media Chair*

COMMUNITY SERVICE

- 2017-present **Boy Scouts of America, Prairielands Council Conservation Committee Chair**
- Involved in the development of a three-year natural resources management plan for Camp Robert Drake.
- 2017-present **Boy Scouts of America, Venturing Crew Advisor**
- Advise youth Scouts in areas of adventure, leadership, personal growth, and service
- 2016-present **Boy Scouts of America, Camp Robert Drake Ecology Program Area Advisor**
- 2012-present **Boy Scouts of America, Prairielands Council Executive Board**
- 2010-2017 **St. Vincent DePaul Society Food Pantry**
- Pack and distribute food to impoverished members of the community once a week

HONORS AND AWARDS

- 2015 **Honor Society of Phi Kappa Phi**
2014 **Phi Eta Sigma National Honors Society, Alpha Chapter**
2013 **The American Legion School Award**

2012	Boy Scouts of America Venturing Silver Award
2012	Boy Scouts of America Venturing Ranger Award
2012	Boy Scouts of America Venturing Gold Award
2011	Boy Scouts of America Venturing Outdoor Bronze Award