

# Anna Holmquist

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(925) 519-7501

## Current Address

962 61<sup>st</sup> St., Unit A  
Oakland, CA 94608

## Permanent Address

2262 Independence Hwy  
Albany, OR 97321

## EDUCATION

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**University of California, Berkeley** (UCB) Berkeley, CA August 2016-June 2021(expected)  
Ph.D., Environmental Science, Policy & Management; Emphasis: Organisms and the Environment

**North Carolina State University** (NCSU) Raleigh, NC August 2013-May 2016  
Bachelor of Science, Zoology; Minor: Entomology; GPA: 3.86/4.0, *summa cum laude*

## RESEARCH EXPERIENCE

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**University of California, Berkeley** Berkeley, CA

**Graduate Student Researcher**

August 2016-Present

Advisor: Dr. Rosemary Gillespie

Member of multi-taxonomic team conducting a biotic inventory of animals across mountains on the island of Sulawesi, Indonesia. Research interests include patterns of speciation, diversity, and colonization for the guild of orb-weaving spiders, web architectural variation as it relates to ancestral relationships and environmental factors, and population genetics of the family Nephilidae, specifically *Nephila pilipes* and *Nephilengys* sp. across the island.

**North Carolina State University** Raleigh, NC

**Independent Undergraduate Research**

June 2015-July 2016

Advisor: Dr. Steven Frank

Mentor: Emily Meineke; Ph.D. Candidate

Received a grant through the NC State Office of Undergraduate research to study the abundance and diversity changes of arboreal spider populations across an urban warming gradient within the city of Raleigh. Utilized creativity in the ideas for my project, sorted through samples under the microscope, identified spider specimens and analyzed data. Developed my knowledge spider anatomy and gained experience identifying anatomical structures of small and large spiders. Presented this research at the NCSU Summer Undergraduate Research Symposium, the North Carolina Entomological Society meeting, and the Entomological Society of America meeting.

**Undergraduate Research Assistant**

Urban Entomology Lab

January 2015-July 2016

Advisor: Dr. Steven Frank

Performed a wide variety of tasks for specific graduate students as well as for overall lab projects. Tasks included assisting with field work, counting specimens, data-basing species, performing routine greenhouse maintenance, and assisting with driving. Learned to identify various parasitoid wasps, predatory arthropods, and other insects.

**Honors Project for Forest Entomology**

January 2015-May 2015

Faculty Advisor: Kelly Oten

Created an independent research project, observing changes in abundance and diversity in spider populations in two different environments: a grassy field versus a wooded area. Also tested different collecting methods to observe differences in specimens caught using either a pitfall trap or hand collections. Gained experience creating my own research project, performing independent field work, preserving specimens, identifying spiders, and presenting findings to my class.

## TEACHING EXPERIENCE

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**Graduate Student Instructor**

January 2017-May 2017

ESPM C10: Environmental Issues

**Educator for Bay Area Scientists in Schools (BASIS)**

September 2016-Present

*Community Research for Science; Berkeley, CA*

**Community Outreach with Entomology Lab**

May 2015-June 2016

*Steve Frank Lab; Raleigh, NC*

**Tutor for Academic Support Program for Student Athletes**

January 2015-May 2015

*North Carolina State University; Raleigh, NC*

**Volunteer Tutor at After-School Program**

January 2014-May 2014

*Loaves and Fishes Low-Income Student Program; Raleigh, NC*

## PRESENTATIONS

**ESA Southeastern Branch Meeting**

March 2016

*Oral Presentation Competition; Awarded Best in Undergraduate Oral Presentation*

**National Entomological Society of America (ESA) Meeting**

November 2015

*Oral Presentation*

**North Carolina Entomological Society (NCES) Annual Meeting**

September 2015

*Poster Presentation*

**NCSU Summer Undergraduate Research Symposium**

August 2015

*Poster Presentation*

## PUBLICATIONS

E. Meineke, A. Holmquist, G. Wimp, S. Frank. "Changes in spider community changes are associated with urban temperature, not herbivore abundance". *Journal of Urban Ecology*. 2017 3 (1) doi: 10.1093/jue/juw010

## HONORS/AWARDS

**Walker Fund for Systematic Entomology Grant**

June 2017

**Foreign Language and Area Studies Fellowship (*Declined*)**

May 2017

**NSF Graduate Research Fellowship**

March 2017

**ESPM 201C Starter Grant**

December 2016

**College of the Sciences: Zoology Honors NCSU**

April 2016

**Nominee for Outstanding Scholarship in College of the Sciences NCSU**

March 2016

**Honorable Mention for GRFP National Science Foundation**

March 2016

**Best in Undergraduate Oral Presentation Entomological Society of America**

March 2016

**NCSU Undergraduate Research Grant NCSU**

June 2015

**Dean's List NCSU**

December 2013-December 2015

## EMPLOYMENT

**Graduate Student Instructor** University of California, Berkeley CA

January 2017-Present

**Undergraduate Research Assistant** The Frank Lab, NCSU, Raleigh NC

January 2015- July 2016

**Tutor** Academic Support Program for Student Athletes, NCSU, Raleigh NC

January 2015-May 2015

## ACTIVITIES

**Liaison to the ESPM Graduate Program Committee** UC Berkeley

August 2017-Present

**Berkeley All Blues Women's Premier Rugby Team** Berkeley, CA

August 2016-Present

**UCB Graduate Assembly Representative** UC Berkeley

August 2016-May 2017

**Member of Phi Kappa Phi** Phi Kappa Phi Honors Society

March 2016

**University Scholars Program Graduate** NCSU

May 2016

**Bassist in the NCSU Jazz Ensemble & Raleigh Civic Symphony**

August 2014-June 2016