

Lindsey Jacobs
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Education:

2016-present	Northern Arizona University Ph.D student	Flagstaff, AZ
2009-2014	Whitman College B.A. Biology	Walla Walla, WA
2006–2009	Los Alamos High School	Los Alamos, NM

Areas of Interest:

Biology, Mathematics, Psychology, Economics

Undergraduate Thesis: Placement of *Philodendron* species along trails in a Neotropical Cloud Forest

Skills

Java, R, SQL, MS office

Lab: PCR, gel electrophoresis, cell plating/re-plating, Autoclave, compound and dissection microscopes, scanning and transmission electron microscopes (SEM, TEM)

Employment and Experience:

Student Intern, *May 2015-August 2016*

Theoretical Biology and Biophysics Division, Los Alamos National Laboratory, Los Alamos, NM 87545

- California condor microbiome research: establish a baseline microbiome for healthy condors
- Present California condor microbiome project to IGPPS External Advisory Committee
- Research the evolution of *Salmonella* strains in Africa

Environmental Engineer Intern (Science Undergraduate Laboratory Internship), *January-May 2015*

Strategic Energy Analysis, National Renewable Energy Laboratory, Golden, CO 80401

- Work with Motor Vehicle Emission Simulator (MOVES) program
- Basic SQL coding
- Data entry for OpenLCA
- Project and paper: Predicted Emissions of Construction Equipment in King County, WA 2005-2025

Senior Library Technician, *August 2014-January 2015*

Mesa Public Library, Los Alamos, NM 87544

- Shelve books
- Assist patrons
- Check in library items

Research Assistant, *June-September 2014*

New Mexico Consortium, Los Alamos, NM 87544

- Run PCR and gel electrophoresis
- Replate algae
- Separate genetically modified seeds from non-modified ones (using a laser light)

Camp Counselor, *Summer 2007, 2008, and 2014*

Pajarito Environmental Education Center Nature Odyssey Camp, Los Alamos, NM 87544

- Counselor for summer environmental camp in the Valles Caldera National Preserve

Intern with the Whitman College Grounds Crew, *Fall 2012-May 2014*

Whitman College, Walla Walla WA 99362

- Record measurements and health of trees
- Data compilation for upload to a computer database

Student in Tropical Ecology and Conservation Study Abroad, *Summer 2013*

CIEE, Costa Rica

- Basic Spanish
- Tropical Forest Ecology and conservation
- Independent Research on Hemi-epiphyte ecology

Student in Renewable Energy, Technology, and Resource Economics Study Abroad, *Summer 2012*

SIT, Iceland

- Basic Icelandic
- Energy production by geothermal and hydropower processes
- Environmental problems associated with energy production
- Independent project on environmental and social impacts of hydropower

Student Research Assistant, *Summer 2009 and 2011*

Environmental Division, Los Alamos National Laboratory, Los Alamos, NM 87544

- Mist net and take measurements of birds
- Collect riparian area data
- Enter and error-check bird and riparian habitat data
- Analyze bird data
- Scan animal motion-photography photos

Awards:

New Mexico Supercomputing Challenge 2009 (created a computer model to correlate logging with goshawk populations); Los Alamos National Laboratory Foundation Bronze scholar 2009; National Merit Scholar 2009

References

References available on request