

RACHEL CARSON

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EDUCATION

University of New Hampshire, Durham, NH

Expected May 2017

Bachelor of Science in Environmental and Resource Economics with a minor in Forestry. GPA: 3.63

Honors: Xi Sigma Pi National Forestry Honors Society. NH Wildlife Federation Scholarship recipient.

Relevant coursework: Rural and Regional Economic Development, Land Economic Perspectives, Systems Thinking for Sustainable Living, Forest Management, Watershed Water Quality Management, Community Ecology, Intro to GIS.

EcoQuest Study Abroad Program, Aotearoa, New Zealand

Spring 2016

Pursued research and coursework abroad through a New Zealand-based UNH applied field studies program.

FIELDWORK AND OUTDOOR SKILLS

Field Skills: Experience identifying over 200 species of grasses, shrubs, trees, forbs, fish, and wildlife native to New England. Proficient with measurement and analysis techniques used in forest, range, wildlife, watershed, and recreation management. Trained in ArcGIS, MS Access, First Aid and CPR, search and rescue, and in desert survival skills.

Outdoor Skills: Expert in use of topographic maps, marine charts, and use of compass and GPS units. Over 8 years' experience hiking, backpacking, and trail crew work. Knowledgeable of proper blade handling, including knife, axe, and saw.

RESEARCH EXPERIENCE

Student Research Assistant, EcoQuest, New Zealand

Spring 2016

- Competitively selected for a semester program that offers hands-on fieldwork opportunities from a bioregional perspective.
 - Studied the disappearance population dynamics of Hochstetter's frogs, *Leiopelma hochstetteri*, in the Hunua Ranges.
 - Adhered to strict conservation methods to avoid inadvertent damage or loss with the fragile ecosystems where the frogs live.
 - Built a pest-proof fence with a team of researchers in order to initiate a mammalian eradication effort.
 - Collaborated extensively with the Department of Conservation and Auckland Council to monitor frog repopulation efforts.
 - Results show frogs' numbers increasing dramatically indicating a course of abundance, to be reexamined in a future study.
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RELEVANT PROFESSIONAL EXPERIENCE

NH Wildlife Federation, Concord, NH

September 2016- Present

Student Board Member

- Elected to a statewide wildlife conservation organization's board to represent the voices of young adult federation members.
- Wrote a successful \$15,000 grant to fund a new environmental education program, which resulted in providing a river conservation curriculum to 2,500 elementary and middle school students throughout the state.
- Attend monthly board meetings and serve on newsletter committee to produce the quarterly NH Wildlife publication.

Student Conservation Association at Joshua Tree National Park, Twentynine Palms, CA

May 2016 – August 2016

Natural Resources Intern

- Worked with a diverse set of colleagues to propagate native plants, planning seedlings, cleaning seed, watering, and pruning.
 - Checked and repaired irrigation driplines and safely operated a soil mixer and chop saw.
 - Conducted nursery tours with visitors and made presentations about native plant management at the park.
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ADDITIONAL EXPERIENCE AND ACTIVITIES

Connect Program, University of New Hampshire, Durham, NH

October 2014 – Present

Student Assistant

- Managed social media and digital content using Drupel and Canva to create both written and visual content for a program focused on helping first-generation and multicultural students successfully make the transition from high school to college.

Woodsmen Team, University of New Hampshire, Durham, NH

Fall 2015, 2016

Team Member

- Enhanced skills in collaboration and teamwork while competing in events like scoot load, double buck, and packboard relay.
- Developed a healthy attitude towards competition, while challenging teams from all across the Northeast and Canada.
- Communicated with community members in order to raise funds to be able to attend competitions.
- Dedicated five hours a week to practice while successfully balancing a full academic course load and a part-time job.