

TARA HARTSON

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EDUCATION:

University of Maine; Orono ME
Bachelor of Science, 2007 2005-2007
Major: Surveying Engineering Technology
Honors: summa cum laude
St. Olaf College; Northfield MN 2000-2003
Bachelor of Art, 2003
Majors: Geology and Biology
Concentration: Environmental Studies
Honors: cum laude

OFF-CAMPUS EDUCATION:

Carleton College; Northfield MN 2001-2003
Courses completed for geology major
University of Keele; England
Courses completed in geology spring 2000

WORK EXPERIENCE:

Land Surveyor. Herrick & Salsbury, Inc. Ellsworth, Maine: May 2007-present.

Independently performs wide range of surveying services including: computer drafting (Carlson Survey), boundary surveys, topographic surveys, easements and right of ways, building setback layout, mortgage loan inspections, construction layout, flood plain and LOMA elevation certificates, subdivisions and site plans, planning board review, airport runway layout, deed research and analysis, ALTA/ACSM Land Title surveys, road cross sectioning, volume estimates, as-built surveys and conservation easements. Proficiently operates total stations and GPS technology. Participates in on-going continuing education classes offered by the Maine Society of Land Surveyors.

Horticultural Intern. Longwood Gardens. Kennett Square, Pennsylvania: Feb-Aug 2005.

Worked alongside professional gardeners implementing and maintaining multiple planting designs in a public garden setting. Experience included flower gardens and arrangement, fruit and vegetable production and display, native woodland design and preservation, pruning, staking, mulching, weeding, deadheading and watering. Safely operated leaf blower, woodsplitter, Cushman and Bobcat Loader. Participated in weekly field trips to surrounding public and private gardens and arboretums. Completed Continuing Education classes offered by Longwood Gardens. Overall gained a strong practical horticultural foundation from a very reputable horticultural institution.

K.M. Harper & Son Tree Service, Inc. Mount Desert Island, Maine: Dec 2004-Feb 2005.

Tree work performed included removing dead and diseased trees and/or limbs, lot-clearing, selective thinning and pruning, vista cutting, driveway widening and firewood production. Work was completed efficiently and thoroughly to meet project bids and goals. Quickly gained competence using a chainsaw and running other

heavy motorized equipment including chippers and woodsplitters on a daily basis. Further refined hand and pole saw, pruner, leaf rake and leaf blower skills.

Trail Crew. Acadia National Park: Summers 2001, 2002 & 2004. Yellowstone National Park: Summer 2003.

Mastered hiking trail maintenance and construction skills including building bridges, all forms of drainage structures, wooden cribbing, stone steps, retaining walls using dry stone masonry techniques and major rehabilitation of burned and eroded areas. All projects required close attention to safety, resource protection, historic consideration/preservation and appropriate use of materials in different landscape settings. Gained competence using heavy motorized equipment such as rock drill, chainsaw, ATV, and a bobcat loader. Trained lower grade employees and supervised and independently led high school students in all aspects of trail work. Developed a strong ability to help resolve internal crew conflict. Quickly excelled in trail work and gained the skills to work independently. Promoted rapidly. Received Trail Crew Award.

Landscape Architect Intern. Terrence DeWan & Associates. Yarmouth, Maine: Jan-April 2004.

Performed well at a variety of tasks including generation of computer and hand drawn cross-sections for visual impact assessments, site plan rendering, writing a Maine Guide for Pedestrians, attending meetings with clients, visiting work sites to document construction and progress, editing and preparing diagrams for publication, brainstorming ideas for proposals, and editing and printing landscape plans. Gained a thorough understanding of the work of a landscape architect.

Landscape Architect Assistant. Yellowstone National Park, Wyoming: Summer 2003.

Worked with a landscape architect in field marking trees to be cleared around National Park structures. Devised well supported arguments a landscape architect uses to save certain trees due to location/species/size/law.

Greenhouse Worker. St. Olaf College Biology Department, Minnesota: Jan 2002 & June 2003.

Independently performed routine watering and plant care.

Research Assistant/Independent Research. St. Olaf College Biology Department, Minnesota: 2001-2003.

Extracted multiple 15-20meter lake sediment cores from selected lakes and then independently generated raw research data. Cores were divided into 1cm depth intervals to test for magnetic susceptibility and loss-on-ignition. Pollen grains were counted and described, and any objects found in core were sent away for dating. Results were used to construct a history of the surrounding area determined by changing vegetation, climate, fire and settlement over time. Results were used for my senior independent research project, "Lake Sediment Compaction Over Time."

Ridge Runner. Friends of Acadia & Acadia National Park, Mount Desert Island, Maine: Summer 2000.

Independent hiking in Acadia National Park while informing visitors about Leave No Trace Principles, offering trail guidance, maps and information about park programs. Work was carried out with little to no supervision.

Resource Assistant. Wupatki National Monument. Arizona: Fall 1999.

A joint position through the Student Conservation Association and Americorps. Interacted with a variety of visitors by providing informal interpretation and answering questions while staffing the visitor center front desk, as well as providing informal interpretation during front-country roves. Independently created visitor center wall displays.

Archeology Assistant. Wupatki National Monument, Arizona: Fall 1999.

Worked alongside archaeology crew mapping and documenting mortar types at reconstructed Native American Pueblo sites in great detail. Awarded Certificate of Appreciation.

Substitute Teacher. Turner, Maine: Fall 1999 & Winter 2003.

Prepared and taught half-hour K-6 general music classes.

QUALIFICATIONS:

Certifications: Professional Land Surveyor, ME 2440, 2009-present; CPR/Community First Aid, 2019; U.S. Small Business Administration Emerging Leaders graduate, 2018

Computer Skills: Proficient in Microsoft Word, Excel and Powerpoint. Experienced knowledge/use of Carlson Survey/AutoCad.

IN THE PRESS:

Survey: Sometimes it's the Pits – The American Surveyor Magazine: November 5, 2018

<https://amerisurv.com/2018/11/05/survey-sometimes-its-the-pits/>

Between Mosquito Bites, Getting the Lay of the Land – New York Times, Vocations: January 27, 2018

<https://www.nytimes.com/2018/01/27/jobs/surveyor-maine.html>

Established baseline - University of Maine Engineering Magazine: 2012

https://drive.google.com/file/d/1jemFTvPCsxkwZkXGiUkkofi5ftYENlp_/view

COMMUNITY INVOLVEMENT:

Maine Coast Heritage Trust community garden member (2017-2018)

Crabtree Neck Land Trust community garden member (2010-2016)