### Rubenstein School of Environment and Natural Resources

### University of Vermont

### Perennial Summer Internship Program - 2018

**Internship Title:** Urban and Community Forestry Intern

**Internship Site:** Montpelier and field work in at least four Lake Champlain basin towns (to be determined)

**Description:**

Ever wondered who takes care of that thin strip of greenery along the edge of the road? Along Vermont’s backroads, town road crews end up with most of the job. But managing an ecosystem that’s less than 20 feet wide and up to 75 miles long is no easy task. What species grow well in these narrow strips of public land? What stressors do they face? And how can towns preserve their roadside vegetation while keeping their roads safe and passable?

The Resilient Right-of-Ways project leads towns in an approach to address road erosion, flooding, and water pollution using nature-based solutions – trees and plants. The Vermont Urban & Community Forestry Program (UCF) is documenting how vegetation keeps our rural roads beautiful while doing the work of stabilizing banks, reducing erosion, and stormwater flowing over roads.

The **Urban and Community Forestry Intern** will primarily work with Joanne Garton, the rural road project lead, to assess vegetation and vegetation patterns along rural roads in at least four towns in the Lake Champlain Basin. The intern will spend much of the summer in the field, walking or biking to collect data on trees, plants, and other roadside ecosystem descriptors. The intern will also create educational material that raises awareness about roadside vegetation, including historic trees and invasive species. Office work will consist of collecting baseline information about towns from online resources (ANR Atlas, BioFinder and iNaturalist) and managing photographic and video footage of field work for use in the outreach material.

**Desired qualifications/skills/coursework**:

Required

* Methodical and organized with strong attention to detail
* Ability to work outside all day, capable of bicycling up to ten miles in a day or walking up to five miles along unpaved roads
* Valid driver’s license
* Understanding of general ecology and watershed science
* Some forestry experience and identification skills applied to trees, shrubs, herbaceous plants and forested communities in Vermont
* Ability to read and interpret maps
* Ability to work independently in the field
* Comfortable answering questions from the public or referring questions to appropriate staff
* Comfortable using iPads and smartphones for field work
* Experience using a smartphone or camera to create and capture images and videos for use in outreach material

Desired

* Experience with field data collection
* Ability to create and edit basic maps using ArcGIS
* Ability to collect and synthesize geographic data from online sources such as [ANR Atlas](https://anrmaps.vermont.gov/websites/anra5/) and [BioFinder](http://biofinder.vermont.gov/)
* Experience with photography

**Supervision:** Joanne Garton

**Start and End Dates:** June 1 to August 15, but dates are negotiable.

**Total Hours:** *Approx. 24 hours/week, 10 -12 weeks – schedule negotiable.*

**Compensation:**  $12.50/hour.

**How to Apply:** Email the following documents to Jacqueline.C.Boudreau@uvm.edu by Friday, March 9th. Note that you’ll need to request that the Recommendation Form be completed on your behalf – see instructions below.

* + 1. Resume
		2. Cover Letter
		3. Transcript - Login to your my uvm portal, click on the Registrar link, click Request Official Transcript by email, once received save it as a pdf
		4. Reference - Provide name & contact information for at least one professional reference. This could be someone who supervised you in a past work/internship/volunteer position, a professor or teacher.
		5. [**Recommendation**](https://docs.google.com/forms/d/1xJVn6oGsriNQlKh-wr_ptmyOO2G4rzPSgEJ9uGZAEF0) **Form** – This form needs to be completed by a Rubenstein faculty, graduate student or staff member of your choosing. Please provide your recommender this [**link**](https://docs.google.com/forms/d/1xJVn6oGsriNQlKh-wr_ptmyOO2G4rzPSgEJ9uGZAEF0)to the recommendation form when you ask if they are willing to complete the form to support your application. This recommendation form will be submitted online by your recommender.