Rubenstein School of Environment and Natural Resources
University of Vermont
Perennial Summer Internship Program - 2017

Internship Title: UVM Unmanned Aircraft System (UAS) Intern

Internship Site: Spatial Analysis Laboratory, Aiken Center, Room 205

Description: The University of Vermont’s Unmanned Aircraft Systems (UAS) team was formed in 2015 as a way to bring high-end drone mapping technology to Vermont. The UAS team is comprised of faculty, staff, and students from the Spatial Analysis Laboratory (SAL) and Transportation Research Center (TRC). The UAS team is nationally recognized for its work, applying drone technology to a broad range of mapping, monitoring, and research activities. The UAS team has been featured in Slate, WCAX, and Vermont Public Radio. Past UAS student team members have gone on to successful careers in the drone technology sector. UVM’s UAS team works with federal, state, and local agencies, along with academic researchers. As a UAS team intern you will participate in vetting requests, obtaining flight permissions, conducting flight operations, data processing, analysis, and report writing. Projects range from stream woody debris monitoring to damn removal mapping to disaster response operations.

Desired qualifications/skills/coursework:

An interest in using drone technology to solve environmental problems. At least one geospatial technology course, with experience or coursework in remote sensing preferred. Interns must be willing to carry out field work under a variety of conditions and be equally as comfortable working at a computer for long periods of time. Occasional rapid response deployments during non-standard working hours may occur during disaster events.

*Rubenstein students currently in their sophomore and junior years are eligible to apply. Earning internship credit through the Rubenstein Internship Program is required.*

Supervision:

The UAS team is lead by Jarlath O’Neil-Dunne, Director of the Spatial Analysis Lab. He will serve as the internship supervisor. Over the course of the internship operational supervision will be transferred to other SAL personnel. The intern will always be working as part of a team.

Start and End Dates:

Mid-May – Mid-August, 2017 (exact start/end dates are negotiable)

Total Hours: 20 hours/week, 12 weeks

20 hours per week as part of the internship program. An additional 20 hours per week through another grant is available.

Compensation: $12.50/hour

How to apply: Follow step by step application instructions which are available on the Rubenstein Perennial Internship Program website. This will include logging into the CEMS-RSENR Internship, Co-Op, Research System and submitting the following (as pdfs whenever possible) by midnight, Sunday, January 29th 2017:
a. Resume
b. Cover Letter - You should upload and submit unique cover letters for each position to which you’re applying
c. Position Ranking - If you are applying for more than one Perennial Internship, please provide list of the positions in rank order.
d. Reference(s) – 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, etc.)
e. 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 and upload.
f. A recommendation form, completed by a faculty member or teaching assistant, will also need to be submitted on your behalf. Please send this link to the faculty member/teaching assistant when you ask if they are willing to complete the recommendation form for you. Your recommender will complete & submit this form online and then your recommendation will be confidentially uploaded to your application(s).