

Rubenstein School of Environment and Natural Resources

University of Vermont

Perennial Summer Internship Program – 2021

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.

Eligibility: Rubenstein students who will have completed their sophomore or junior year by May 2021 are eligible to apply. Students graduating May, 2021 are not eligible to apply.

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. Seniors graduating in May 2021 are not eligible to apply. Earning Independent Study or Internship credit through the Rubenstein Internship Program is required. Due to possible restrictions related to the ongoing COVID-19 pandemic, Perennial Internships may happen as described, be modified or canceled.

Supervision:

The UAS team is led by Adam Zylka and falls under the Spatial Analysis Lab, which is overseen by Jarlath O'Neil-Dunne. Adam and Jarlath will jointly 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, 2021(exact start/end dates are negotiable)

Total Hours: 20 hours/week, 12 weeks

Compensation: \$12.50/hour

How to apply: Step-by-step instructions. Please follow them closely.

- 1) Click the following link to view the Rubenstein Perennial Internship Descriptions in Handshake:
<https://uvm.joinhandshake.com/employers/226837>
 - a) If asked to log in: click “UVM Net ID Login” & login.
 - b) Click the Favorite button to enable easier searches in the future.
- 2) Click “View All Jobs” in Jobs at Rubenstein Perennial Internship Program box on right side of page.
- 3) You should now see the great Perennial internship opportunities! Click “View Details” to learn more about each position.
 - a) Please do take the time to carefully read each individual description so that you don’t miss a great opportunity by judging an internship solely on its title.
 - b) You may apply for up to **three** Perennial Internships.
 - c) All applications are due by 11:59pm, Wednesday, February 17th, 2021.
- 4) You’ll need to upload both required documents in Handshake before you can apply for any Perennial Internship:
 - a) Click on your name at top right of screen in Handshake
 - b) Select Documents.
- 5) Please upload documents as pdfs. The following are required documents:
 - a) Resume
 - b) Cover Letter
 - i) You should write and upload unique cover letters for each position to which you are applying.
 - ii) In your cover letter, 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. The person listed should **not** be the person also completing your recommendation form.
- 6) In addition to the documents listed above, a [recommendation form](#) will need to be completed by a Rubenstein

faculty, graduate student or staff member of your choosing.

- a) When you ask your recommender if they are willing to complete the form to support your application, please provide your recommender this [link to the recommendation form](#)
 - b) Only one recommendation form needs to be completed regardless of how many Perennial Internships you are applying for.
 - c) Your recommender will complete & submit this form online and then your recommendation will be confidentially added to your application(s). This [recommendation form](#) needs to be submitted by the February 17th deadline.
- 7) Make sure that your resume and cover letter(s) are as strong as they can be! Utilize the resources around you:
- a) The Rubenstein Stewards are great at reviewing resumes/cover letters and providing helpful feedback. Email the Stewards to schedule an appointment after the start of the semester: RSENRStewards@uvm.edu
 - b) Get your resume and cover letter reviewed by a Career Counselor at the Career Center. [You can learn more here about how to schedule an appointment.](#)
 - c) Sign up for a resume/cover letter review appointment with Anna Smiles-Becker (Rubenstein Career Counselor & Internship Coordinator) using [Navigate](#).
- 8) If you are selected to interview for a Perennial Internship, you will be contacted by the site to set up an interview during early-mid March.