Will Poncy

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EDUCATION

M.S., Forestry, Expected Graduation May 2025
Virginia Tech, Blacksburg, VA
B.S. *Magna Cum Laude***, Environmental Data Science, 2023**
Virginia Tech, Blacksburg, VA

EXPERIENCE

Virginia Tech FREC | Graduate Research Assistantship | Aug 2023 –
- Researcher for US Forest Service project analyzing multitemporal, multiscale carbon accretion quantification methods in Southeastern US
- Teaching assistant for geographic information technologies course

Esri | Education & Support Services Intern | May 2023 – Aug 2023
- Assisted support analysts on case progression with bug research & defect troubleshooting
- Conducted technical knowledge transfer presentations to ArcGIS division teams
- Attended the 2023 ESRI User Conference & discussed with employees future of WebGIS
- Participated in Geoplanner tool research, contributing to emission reduction modeling
- Developed a working website displaying resources for natural disaster relief for the state of Hawaii as final group project

Virginia Tech SPES | Undergraduate Research Assistant | May 2022 – May 2023
- Generated orthomosaics of Independence Golf Club Championship 18 with UAV flights
- Composed spring dead spot disease maps in ArcGIS Pro using site specific management units
- Combined drone imagery, python scripting, geospatial analytics to reduce fungicide application

SKTWorks LLC | Fieldwork Assistant | September 2021 – Present
- Serve as primary drone pilot for aerial photography in baseline documentation reporting
- Generate detailed photopoint information with ArcGIS Field Maps
- Combine aerial and land imagery with written survey data to evaluate conservation protocols

CERTIFICATIONS

FAA Part 107 Certified Remote Pilot in Command (Drone) | September 2022

PRESENTATIONS

Developing Spring Dead Spot Maps Across Entire Golf Course Fairways Using Aerial Imagery
- 2022 VT Office of Undergraduate Research Summer Symposium
- 2022 VT School of Plant and Environmental Sciences Graduate Student Symposium
- 2022 Students of Agronomy, Soil & Environmental Sciences Annual International Meeting

SKILLS

- ArcGIS Pro, ArcGIS Online, ArcGIS Enterprise, ArcGIS SiteScan, ArcGIS Reality Studio, R/RStudio, Pix4D, JavaScript, HTML, CSS, Python, Blender, Git
- Advanced VBA programming and Excel User Interface development
- Operation of DJI, Skydio, & Parrot drones

ACTIVITIES

- Virginia Tech Autonomous Aerial Vehicles | Communications Group
- National Champion, DI-AA National Collegiate Rugby | Virginia Tech, Fall 2021
- Conference Champion, NCAA D-III Soccer Capital Athletic Conference | University of Mary Washington, Fall 2019