Will Poncy

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EDUCATION

B.S. *Magna Cum Laude*, Environmental Data Science, 2023

Virginia Tech, Blacksburg, VA

HONORS

Dean's List, Virginia Tech, Fall 2021, Spring 2022, Fall 2022, Spring 2023

Dean's List, University of Mary Washington, Spring 2020 & Fall 2020

Honors College Student, University of Maray Washington, 2019 - 2021

RELEVANT EXPERIENCE

Education & Support Services Intern | May 2023 – Present | Esri

- Responsible for assisting support analysts on case progression & defect troubleshooting
- Will offer technical knowledge transfer presentations to ArcGIS division teams
- Will participate in Geoplanner tool research, contributing to emission reduction modeling
- Will compile geospatial analyses across platforms in final app presentation

Undergraduate Research Assistant | May 2022 – May 2023 | Virginia Tech Turfgrass Pathology Lab

- Generated orthomosaic imagery of Independence Golf Club Championship 18 course using UAV flights
- Composed spring dead spot disease maps in ArcGIS Pro using site specific management units
- Combined drone imagery, python scripting, geospatial analytics, and data processing to reduce environmental impact of fungicide application
- Presented research at department symposiums, international student conferences, and field day events

Intern Fieldwork Assistant | September 2021 – Present | SKTWorks LLC

- Served as primary drone pilot for collection of aerial photography
- Generated detailed photopoint information with ArcGIS Field Maps
- Combined aerial and land imagery with written survey data to evaluate conservation protocols
- Contributed to baseline documentation reporting for establishment of conservation easements

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, R/RStudio, Pix4D, Python, JavaScript (Three.js framework), HTML, CSS, Git
- Advanced VBA programming and User Interface development
- Operation of DJI, Skydio, & Parrot drones

ACTIVITIES

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