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