

Peter Menzies

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EDUCATION

Master of Environmental Data Science, 4.0 GPA (Expected June 2022)

Bren School of Environmental Science & Management – University of California, Santa Barbara

Highlighted Coursework: Machine Learning in Environmental Science, Data Visualization and Communication, Remote Sensing, Spatial Analysis

Bachelor of Science in Environmental Studies, 3.7 GPA (June 2016)

University of North Carolina at Asheville, Asheville, NC

Honors/Awards: Cum Laude, Distinction as a University Scholar (Honors Program graduate), Laurel Scholar, Departmental Distinction in Environmental Studies

Leadership/Involvement: Undergraduate Researcher, Ecology Department Tutor, edible garden manager

ENVIRONMENTAL EXPERIENCE

Environmental Educator at Asheville GreenWorks | Asheville, NC (1/19 – 7/21)

- Led environmental education programs for K-12 classes and community groups of all ages
- Created educational video content and built/curated pages on the organization's website
- Oversaw efforts to maintain Asheville's status as a Bee City and co-chaired the associated Leadership Committee consisting of 20 members
- Organized and facilitated over 30 events focused on pollinator education and outreach

Research Technician at NC State University (NCSU) | Asheville, NC (6/18 – 10/18)

- Identified and mapped over 3000 trees to observe regeneration trends in forest gaps
- Processed resulting spatial data in QGIS
- Navigated through 40 backcountry study sites and recorded locations of trees using Esri ArcPad
- Assisted with 3D mapping of study sites using LiDAR

Research Technician at US Forest Service (USFS) | Asheville, NC (10/15 – 8/16)

- Collected data in wilderness settings for three different eastern hemlock studies
- Input, cleaned, analyzed, and visualized data using Excel and SAS
- Processed foliage, bark, and soil samples to assess chemical trends in woolly adelgid resistance

ADDITIONAL EXPERIENCE

Kitchen Manager and Shift Leader – Lexington Corner Market | Asheville, NC (3/18 – 12/18)

Zipline and Canyoneering Guide – French Broad Adventures | Marshall, NC (6/14 – 10/17)

SKILLS

Data science:

- **Languages**: R, Python, SQL, Bash, HTML
- **Data management**: experienced with importing, cleaning, and wrangling large datasets in R and Python
- **Data visualization**: experience creating static and interactive visualizations of quantitative, categorical, and spatial datasets using matplotlib, ggplot2, tmap, and plotly.
- **Spatial analysis**: experience with spatial work in R and Python using SF, SP, GeoPandas, and Google Earth Engine—as well as within a graphical interface like QGIS. Additional experience using PostGIS databases.
- **Statistics**: experience conducting and visualizing statistical analyses in R.
- **Workflow**: experienced with git, GitHub, ZenHub, and Asana

Writing: Co-authored two journal articles published in *Southeastern Naturalist* and *Journal of the Torrey Botanical Society*

Certifications: Wilderness First Responder