



Declan Pizzino

Conservation Biology Institute
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Declan joined the Conservation Biology Institute on a permanent basis in November 2019, having completed a brief internship with CBI the previous year. With a B.S. in Environmental Science and a certificate in Geographic Information Science from Oregon State University, Declan is excited to be part of a team that is focused on a science-based approach to improving the world.

Declan's love for the natural world has informed and enhanced his passion for conservation. He spent his early life backpacking throughout the desert Southwest and while living in southern California, he gained an appreciation for the ocean and a love for surfing. He also worked with the Nature Collective (formerly San Elijo Lagoon Conservancy) in San Diego, CA to complete a water quality monitoring internship. While working through school at OSU, he interned with Yamhill County Public Works in McMinnville, OR to help develop a county-wide GIS roadside vegetation inventory. Prior to joining CBI, Declan worked for Lane Council of Governments in Eugene, OR where he leveraged his GIS and interpersonal skills in the local government arena.

Declan lives in Corvallis with his wife, Lauren, and their houseful of pets and plants. In his spare time, he loves to play Dungeons and Dragons, get outdoors and hike, or explore local waterways in his handmade canoe.

EDUCATION

- 2018 B.S. Environmental Science, Specialization in Conservation, Resources, and Sustainability. Oregon State University, Corvallis, Oregon.
- 2018 Undergraduate Certificate in Geographic Information Science. Oregon State University, Corvallis, Oregon.
- 2013 A.A. Liberal Arts, Emphasis in Arts and Humanities. Miracosta Community College, Oceanside, California.

EMPLOYMENT HISTORY

2019 – Present	Geospatial Analyst, Conservation Biology Institute, Corvallis, Oregon
2019 – 2019	GIS Assistant, Lane Council of Governments (LCOG), Eugene, Oregon
2018 – 2019	GIS Analyst Intern, Conservation Biology Institute, Corvallis, Oregon
2017 – 2017	GIS Intern, Yamhill County Public Works, McMinnville, Oregon
2012 – 2012	Water Quality Monitoring Intern, San Elijo Lagoon Conservancy, Encinitas, California

SELECT PROJECT EXPERIENCE

Geospatial Analyst; Remote Sensing, Cloud Computing and Machine Learning to Characterize Conservation Reserve Program Lands in Washington, Colorado, Kansas, and Mississippi. Lead for machine learning development on a project mapping vegetation ground cover on lands enrolled in the USDA Conservation Reserve Program Grasslands by using remote sensed data (NASA Landsat and ESA Sentinel sensors) and random forest machine learning.

PROFESSIONAL MEMBERSHIPS

Society for Conservation GIS (SCGIS), Member of the Communications Committee

Data Visualization Society, Member

TECHNICAL SKILLS

Data Processing and Analysis: geopandas, rasterio, pandas, sci-kit learn, SHAP, tidyverse, ranger, Google Earth Engine

Software: ESRI ArcGIS, QGIS, Adobe Creative Suite

Scripting Languages: Python, R