

# Ian Maher

GIS Specialist

Portland, OR

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[Map Portfolio](#)

## EDUCATION

### Portland Community College, Portland, OR— *GIS Certificate*

JULY 2022- JUNE 2023

Attended courses in GIS Analysis, Remote Sensing, Drone Piloting and Data Capture, and Database Management.

### Oregon State University, Corvallis, OR— *Bachelor of Science*

SEPTEMBER 2012- DECEMBER 2016

Major in Zoology with a minor in Fish & Wildlife. Participated in a wide variety of research projects and laboratories.

## RECENT WORK EXPERIENCE

### 3J Consulting, Beaverton — *GIS Technician*

Completing GIS related tasks in support of engineering and urban planning projects. Designed web applications in JavaScript and wrote Python scripts to support analysis and public data sharing operations.

### Upper Nehalem Watershed Council, Vernonia — *Internship*

Mapping current and possible future Coho Salmon habitat for conservation, restoration, and monitoring, working with government data including LiDAR. Data maintenance, QA for accurate data, data documentation, and collaboration with participating groups and agencies.

## ACADEMIC EXPERIENCE AND PROJECTS

### Groundwater Well Analysis, Ranier, OR

Geolocating well locations and analyzing underlying geology and water quality reports.

### Wildlife Hospitals Mapping Project, Astoria, OR

Leading a group project working with a local wildlife hospital to recommend locations where wildlife corridors would be most effective.

### White Oak Mapping Project, Lake Oswego, OR

Working with a local organization to extract information about ecosystem services provided by local tree species. Created deliverables including a working web application for public use.

### Pest Beetle Species Study, Taiwan

Designed, carried out, and published a short research paper on local pest species. Published in *Environmental Entomology*, presented at Evolution 2022 Conference.

## SKILLS

Software: ArcGIS Pro, ArcGIS Desktop, Field Maps, Survey123, Experience Builder, AGOL, QGIS, ENVI, Agisoft, Microsoft Office and Access

Programming Languages: Python, R, SQL, Arcade

GPS Trimble

sUAS Platforms

## PRESENTATIONS AND CERTIFICATES

GIS in Action Lightning Talk- APRIL 2023

Evolution Conference- APRIL 2022

Nehalem Basin Partnership Data Presentation- February 2024

Part 107 sUAS Pilot Certificate- APRIL 2023

ESRI Going Places MOOC- APRIL 2023

DataCamp Intermediate Python for Data Scientists- MAY 2023

PADI Advanced Open Water Diving- OCTOBER 2014

## LANGUAGES

Traditional Chinese- upper intermediate

Spanish, French, Czech- intermediate