

# Michael Medina

https://finch.red

Portland OR  
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## Certifications:

- GIS Certificate
- FAA Part 107 UAS Remote Pilot Certification

## Experience:

- 19 years project management experience
- 16 years small business owner/operator
- 6 years organizational development: supervising, training, and instructing field personnel and assisting in project start up
- 11 years planning, preparing, completing, and quality control checks of field survey data

## Technologies:

- ESRI ArcMap
- ESRI ArcGIS Pro
- QGIS
- Agisoft Metashape
- ESRI ArcGIS Online
- PHP / MySQL
- Javascript
- Wordpress
- AWS / Linux / Apache
- Python
- Collector for ArcGIS
- Trimble Juno
- OSM / JSOM / iD editor
- Adobe Photoshop / Illustrator
- MS Office / G Suite

## Skills and Interests:

- Nature photography
- 360° panoramic photography
- Bicycle racing
- Rock climbing
- Hiking

## Education:

- 2018-2019 • GIS Certificate  
Portland Community College
- 1986-1988 • Architecture  
Carnegie Mellon University

## Field Biologist

2019

ERM Inc. • Portland, OR

Wind power pre-construction and construction-phase biological surveys

- GIS analysis for contract bid and budgeting
- GIS data entry, management, and quality control checks
- Cartographic production for client reports
- GIS support
- Washington ground squirrel surveys
- Raptor nest monitoring
- Daily reporting

## GIS Intern

2019

Washington Department of Fish and Wildlife. • Olympia, WA

Marbled Murrelet Occupancy Habitat Polygons

Created to assist WADNR with statewide screening of forest practices applications and rule implementation processes associated with marbled murrelets on private, state, federal, and other affected stakeholder lands

- Digitized polygons via remote sensing
- Assisted with creation and modification of project guidelines
- Vector and raster-based spatial analysis for summary report
- Summary report including statistical summarization of GIS data, poster, and cartographic products
- Worked closely with agency staff
- Ongoing support until officially adopted

## Executive Director

2017 - 2018

InDidjInUs • Scio, OR

Organized a not-for-profit, 3 day multicultural educational and entertainment event with workshops and performances for a community of 700+ national and international students, teachers, and artists

- Board governance
- Financial performance and viability
- Organization mission and strategy
- Organization operations

## Staff Biologist

2016 - 2017

Chambers Group Inc. • Gig Harbor, WA

Wind power pre-construction biological surveys

- GIS data entry, management, and quality control checks
- Aerial bald eagle and other raptor nest surveys
- Baseline avian activity surveys for bald eagles and other avian species

## Avian Field Technician

2014 - 2016

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ABR Inc. • Forest Grove, OR

Wind power post-construction and pre-construction biological surveys

- GIS data entry, management, and quality control checks
- Baseline avian surveys
- Post-construction mortality surveys
- Surveyor efficiency trials

Other projects

- Avian point counts, mink, & bald eagle surveys

## Owner

2003 - Present

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Wrenn / PDXVR / Michael Medina Photography / Multnomah Leather Shop - Portland, OR

- Day to day operations
- Manufacturing
- Inventory
- Purchasing
- Shipping
- Marketing
- Merchandising
- Budgeting
- Wholesale and retail sales
- Client relations
- E-commerce web development
- Product photography

## Relevant Experience

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Self-Employed

### Contract Administrator

- Washington Ground Squirrel Surveys - 1 year - 11,320 acres  
*Bureau of Land Management, Horn Butte, Oregon*  
*The Nature Conservancy, Boardman Grasslands, Oregon*
- Arizona Bald Eagle Nestwatch Program - 1 year  
*Arizona Game and Fish*

Resources Northwest Consultants • Kirkland, WA / Turnstone Environmental Consultants • Portland, OR

### Project Manager

- Washington Ground Squirrel Surveys - 1 year - 19,333 acres  
*South Boeing, Boardman, Oregon - as part of "Status and Habitat Use of the Washington Ground Squirrel Spermophilus washingtoni on State of Oregon Lands, South Boeing, Oregon in 1999" - Morgan and Nugent*
- Level II stream inventories (habitat and biosurveys) - 2 years

### Crew Leader / Field Biologist

- Inland marbled murrelet surveys - 6 years
- Amphibian surveys - 4 years
- Mollusk surveys - 3 years