

# Benjamin Stabley

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**Objective:** GIS Analyst or Programmer

## Highlight of Qualifications

### GIS

- Familiar with ArcGIS Pro, AGOL, QGIS, and GIS concepts such as coordinate reference systems, vector and raster formats, geodatabases and other formats, and a variety of geoprocessing tools for geometric manipulation, summarization, conversion, network analysis, and multidimensional datasets
- ArcGIS Storymaps to present projects and tell geospatial narratives
- Data engineering using height, indices, other derived information; cleaning using morphological tools
- Classification of remotely sensed imagery using rule-based, unsupervised, supervised, and mixed techniques
- Use of Agisoft Metashape, ENVI, Drone2Map, and Google Earth Engine
- Projects in photogrammetry, digital twins, volumetric calculations, point cloud classification, LiDAR
- Field data collection using Field Maps, Quick Capture, and Survey123
- LiDAR calibration tools such as Terrasolid, StripAlign, and LASTools
- Basic use of AutoCAD and Microstation
- Graduate level coursework in GIS and statistics; undergrad in GIS, Computer Science, Civil Engineering

### Programming and Data Analysis

- Languages: Go, Python, JavaScript, SQL, HTML/CSS, C#, C++, GLSL, Dart, shell scripting, LaTeX
- “Full stack” development of small purpose-built desktop and web applications
- Git and GitHub for revision control
- Automation of workflows; creation of scripts and geoprocessing tools in Python and ArcPy
- Jupyter Notebooks, Pandas and Geopandas, Matplotlib, Seaborn to analyze and visualize data
- Simple machine learning models (linear and logistic regression) with Scikit-learn
- Computer vision, object detection, and segmentation packages such as OpenCV, EasyOCR, YOLOv8

### Teamwork and Professional Development

- GIS Club President 2023-24, Member 2022-23: coordinate projects, workshops, guest speakers, regular meetings
- Collaborate with non-GIS people such as artists, academics in other fields, facility managers, historians
- Public speaking and presentations, such as at GIS in Action

## Education

GIS Certificate – Portland Community College – June 2024

Geospatial UAS Specialist Certificate – Portland Community College – December 2023

BS in Environmental Science – Rochester Institute of Technology – 2010

## Relevant Experiences

Freelance Webmaster and Designer for Outdoor Illumination of North Carolina, Wilmington, NC – 2011 to 2018

Furin Project, GIS Club Collaboration Project Lead, Portland, OR – January to May 2023

FAA Remote Pilot – Certificate number 4891976 – September 2023

## Work History

Senior Lidar Calibration Technician – NV5 Geospatial, Portland, OR – July 2024 to present

Melter – Bullseye Glass Company, Portland OR – 2013 to 2024

Cook –Uwajimaya, Beaverton, OR; and Nike Campus, Beaverton, OR – 2011 to 2013

Assistant Language Teacher (ALT) – Chibu-mura Middle School, Japan – 2007 to 2010

**Portfolio:** <https://benstabley.work>

*References and academic transcripts available upon request.*