

ALEX MACHIN-MAYES

GIS ANALYST

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[LinkedIn](#) | [Portfolio](#)

PROFILE

Self-driven GIS Analyst with over seven years of professional experience and wide-ranging knowledge of GIS technologies. Proficiency in Esri products and services, geospatial analysis, cartography, geodatabases, GPS data collection, and web application programming. A resourceful critical thinker with attention to detail, excellent communication, self-sufficiency, and the drive to continually learn new skills and tools.

SKILL HIGHLIGHTS

ArcGIS Pro	QGIS/GRASS	Data Formatting	ArcGIS API for JavaScript
ArcGIS Online	ArcGIS Collector	Writing/Reporting	Trimble Pathfinder Office
ArcGIS Desktop	Model Builder/ArcPy	Adobe Creative Suite	HTML/CSS

WORK EXPERIENCE

GIS Consultant

03/2019–Present

Falcon Cultural Resources | Burlington, WA (Remote)

- Utilize open-source GIS and services to build professional cartographic products.
- Provide historical and ecological context using aerial, LiDAR, and topographic imagery.
- GPS data collection support, processing of field data, site maps and shapefiles for archaeology reports.
- Conduct viewshed analysis to visualize prominence of proposed development.

GIS Property Specialist

11/2014–08/2017

Swinomish Indian Tribal Community | La Conner, WA

- Collaborated with specialists, project managers, and field technicians in the design and development of database schemas and GPS data collection interfaces.
- Managed GIS data within the Planning Department system, providing maps, analysis, data entry, technical support, database management, and data publishing to ArcGIS Online for interdepartmental use.
- Led field training on GPS data collection using ArcGIS Collector, Trimble GPS/GNSS receivers, and AGOL.
- Contributed to building complex databases of government assets and features, including natural and cultural resources, zoning, parcels, buildings, roads, and utility data.
- Migrated data from ArcSDE into AGOL and the Esri Local Government Information Model.
- Produced maps and property updates through research, interpretation of land surveys, as-builts, legal property descriptions, and assessor records.

GIS Technician/Consultant

11/2012–11/2014

Independent Contractor | Bellingham, WA (Remote)

- Conducted research, analysis, database development, digitization, and mapping for projects involving forest roads, ecological studies, oil train transfer hubs, and hydrology.

EDUCATION

Master of Science in Cartography and Geographic Information Systems

University of Wisconsin-Madison, 2021 | Madison, WI (Remote) | 4.0 GPA

Bachelor of Arts in Human Geography | Minor in Geographic Information Systems

Western Washington University, 2012 | Bellingham, WA