

Skyler Elmstrom

LinkedIn: www.linkedin.com/in/selmstrom Portfolio: <https://skylere.com>

Relevant Formal Education:

- *Graduate Certificate in Data Science; Western Washington University. (2021)*
 - Highlights: Experimental Design, Multivariate, Time Series, Geostatistics, Data Visualization, Machine Learning, R/Shiny
- *Environmental Science, B.S., GIS minor; Western Washington University. 2020*
 - Highlights: Ecology, GIS, Statistics, Biology, Chemistry.
- *GIS Certificate; Western Washington University. 2020*
 - Highlights: ArcGIS, QGIS, Advanced GIS and Remote Sensing Applications, SQL, Automation using Python

Relevant Experience:

Public Health Informatics Specialist; RHINO Program, Washington State Department of Health Shoreline, WA. May 2021 - Present.

- Author an internal R package for my team's common code
- Develop and implement automated, reproducible reporting and data object creation
- Serve as a technical lead on informatics, software, and technology activity within RHINO
- Assist with other projects, as needed

Research Assistant II; Institute of Environmental Toxicology & Chemistry, Western Washington University. Bellingham, WA. July 2020 - Present.

- Assist development of project-specific Bayesian Network Relative Risk Models (BN-RRM)
- Provide GIS and statistical support including data processing, analysis, visualization, and map production
- Lead data management and collaborative code development for research projects
- Manage collaborative GitHub organization for learning, documenting, sharing, and disseminating project R code and markdown

Drafter/GIS Technician II; Whatcom County Assessor's Office. Bellingham, WA. July 2019 - Feb. 2020.

- Conducted maintenance, upkeep, audit and review of the Whatcom County Assessor's Office property data, GIS database, and county tax maps including processing deeds and property segregations as well as the associated GIS work
- Manipulated GIS property data within versioned enterprise geodatabase environment using ESRI local government information model (LGIM) Parcel Fabrics
- Responded to customer requests as well as inquiries pertaining to relevant mapping questions and property laws; did appropriate research of Auditor's recorded documents as needed
- Wrote SQL queries, created scripted data cleaning tools, and automated GIS and mapping processes using Python to integrate a tabular database with Assessor GIS database
- Assisted the GIS Specialist II with the development of GIS workflows and solutions during a critical transition to a modern GIS platform from physical maps. I created and promoted suggestions for improvements or new capabilities based on my own expertise in coordination with GIS IT and Assessor's Office staff.

- My official job description can be found here:
[DRAFTER GIS TECHNICIAN II - Laserfiche WebLink](#)

GIS Consultant; Joule Group, LLC. Bellingham, WA. November 2017 - May 2018.

- Produced geospatial products tailored to remote project locations
- Evaluated costs, feasibility of sUAS Structure-from-Motion products for project infrastructure
- Interpreted engineering plans, cross-checked calculations, and exported AutoCAD ready GIS data. Generated GIS files from notes, discussions, spreadsheets, and project plans. Compiled and managed project GIS database.

Student Professional; Oregon Department of Fish and Wildlife, Shellfish and Estuarine Assessment of Coastal Oregon Team. Newport, Oregon. June - August 2016.

- Evaluated sUAS platforms and sensors and their utilization in estuarine environments.
- Responsible for UAV imagery processing and analysis.
- Assisted with ecological surveys, experiment design and setup, data collection and data entry. Collaborated with and supported public engagement events to promote estuary knowledge and awareness.

GIS Specialist, Team Leader; Mukilteo Salmon and Wildlife Monitoring Project, Edmonds Community College, Anthropology Department. Lynnwood, Washington. Winter 2015 - 2018.

- Produced geospatial analyses with collected data for use in reports
- Updated and maintained project GIS database and tabular data. Responsible for project data stewardship and data quality assurance.
- Co-authored technical reports for 2016 through 2018 salmon monitoring seasons. Presented survey findings at the 2016 Northwest Anthropological Conference.

Sergeant (E-5), GEOINT Analyst, Geodetic Surveyor; United States Marine Corps, 1st Intelligence Battalion. Camp Pendleton, California. September 2010 - December 2014.

- Created tailored Geospatial Intelligence (GEOINT) products in support of defense operations
- Survey Team Leader and stand-in for Survey Chief and Survey Officer-In-Charge in 2014
- Assisted with planning, budgeting, and executing high-precision aeronautical landing site surveys in partnership with the National Geospatial-Intelligence Agency (NGA)
- Wrote and executed training curriculum for incoming team members
- Co-authored guidance to the Marine Corps on conducting aeronautical surveys in accordance with NGA Terminal Aeronautical GNSS Geodetic Survey standards

Awards and Recognitions:

Oregon Department of Fish and Wildlife Team Symbiosis Award (2016)

Oregon Sea Grant (Summer Scholar 2016 & Science Communication Award 2016)

Presidential Volunteer Service Medal - Silver (2016)

Navy Achievement Medal (2013 & 2014)

Certificate of Commendation (2013 & 2013)