

Whitney Emge (she/her)

Fircrest, WA | emge.whitney@gmail.com | Portfolio: <https://whitneyemge.github.io/portfolio/>

Professional History

THURSTON COUNTY GEODATA | Olympia, WA

GIS Analyst II

January 2024 – Present

- Manage GIS projects and applications for the Community Planning division of the Community Planning and Economic Development (CPED) Department.
- Complete complex spatial analyses for high visibility projects such as proposed zoning changes, program benchmark reporting, and tree canopy cover.
- Develop cartographic products and statistical and informational graphics for planning projects and public outreach.
- Serve as a GIS subject matter expert and liaison for grant-funded projects.

GIS Analyst I

September 2021 – January 2024

- Performed data and metadata editing and data quality assurance/quality control, including identifying and sourcing external data from authoritative entities to incorporate in updates to internal data.
- Created appealing, approachable, and accessible visual and data products such as static maps and spreadsheets for County and non-County entities, such as Fire Districts, non-profits, and private citizens.
- Provided technical support to County and non-County entities and individuals for navigating the County's online GIS map viewers and data download website.
- Managed data sharing processes and agreements, including the automation of data share deliverables.
- Created technical documentation for GIS data editing and analysis processes.
- Developed training materials for the public for navigating the County's online GIS map viewers and data download website, and other training materials for County staff as needed.

WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY & HISTORIC PRESERVATION | Olympia, WA

GIS Analyst

July 2019 – September 2021

- Completed technical cartographic assignments for DAHP's GIS, services, publications, and presentations.
- Leveraged ArcGIS tools and SQL queries to perform spatial and tabular data maintenance within the enterprise GIS.
- Prepared quarterly data share deliverables for federal, state, local, and tribal data sharing partners.
- Provided technical support to stakeholders using the agency's WISAARD application.
- Created a cartography style guide for map products to ensure uniformity of agency publications.
- Migrated the agency data sharing platform from Sharepoint to Esri Portal by testing security settings, creating documentation for data sharing partners, and coordinating user sign-up and access.
- Wrote a Python script to automate the process of appending data from a scratch workspace to production layers in the agency's SDE.
- Created a video tutorial for WISAARD users for submitting cultural resource inventories.

Office Assistant

August 2018 – July 2019

- Digitized cultural resource survey reports and entered corresponding data into MS Access databases.
- Assisted with setting up WISAARD access for cultural resource professionals.
- Directed phone calls and correspondence from the public to appropriate staff

FORTERRA | Seattle, WA

Resource Lands GIS Intern

July – November 2017

- Built agriculture and forestry geodatabases for Washington State counties from tax parcel data, produced statistics on land use and ownership patterns, and published professionally designed, hard-copy maps.

Educational History

UNIVERSITY OF WASHINGTON, TACOMA | Tacoma, WA

M.S., Geospatial Technologies, 2020

Dean's Award for Academic Excellence

Certificate, Geographic Information Systems, 2017

CENTRAL WASHINGTON UNIVERSITY | Ellensburg, WA

M.S., Primate Behavior, 2015

UNIVERSITY OF PUGET SOUND | Tacoma, WA

B.A., Psychology, 2011

Skills

- ArcGIS Pro, ArcGIS Online, Portal
- SQL, Python, HTML, CSS, JavaScript
- Cartography, data visualization
- Web Maps (Leaflet, Map Box, Chart.js)
- Mobile data collection (Collector, Survey123)
- Customer service