

Shawn Leonard

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LinkedIn Profile: <https://www.linkedin.com/in/shawn-leonard-004592217/>
GIS Portfolio: <https://shawn-leonard-personal-website.web.app/>

Summary: College graduate with a strong foundation in geospatial data science, web development, and statistical analysis. Experienced with a wide array of software applications and adept at self-directed learning.

EDUCATION

University of Washington – Seattle, WA
Bachelor of Arts in Geography: Data Science, Minor in Informatics

TECHNICAL SKILLS

GIS: ArcGIS Pro, ArcGIS Online, QGIS, Google Earth Engine
Data Analysis: Microsoft Excel, SQL, Azure Data Studio, Python
Web Development: React, JavaScript, HTML, CSS

PROJECTS

Seattle Collision Heatmap

- Processed and cleaned JSON data from the Seattle Department of Transportation using Python's GeoPandas library, resulting in a structured and analysis-ready dataset.
- Developed an interactive heatmap using the Mapbox.js API to visualize spatial data, effectively displaying vehicle collision severity across Seattle.
- Enhanced user experience by implementing functionality for dynamic date range adjustments, enabling real-time updates to displayed data based on user input.
- Tech Stack: Python, JavaScript, HTML, CSS

Kent Fire and Emergency Medical Incidents

- Mapped emergency response incidents within the primary coverage area for the Kent Fire Department, providing a comprehensive overview of incident distribution.
- Generated customized contours for each kernel density raster to identify high-risk zones.
- Performed spatial analysis using ArcGIS Pro to determine patterns and trends in emergency incidents, enabling data-driven decision-making.
- Tech Stack: ArcGIS Pro

California Earthquake Risk ArcGIS StoryMap

- Created an interactive dashboard dynamically presenting earthquake statistics on a web map.
- Built a 3D web scene using population density data from the ArcGIS Living Atlas displaying urban areas in California that will be most affected by earthquakes.
- Utilized StoryMaps to showcase interactive dashboard and 3D maps, effectively narrating the scenario while offering supplementary information and external resources pertaining to earthquake events.
- Tech Stack: ArcGIS Living Atlas, ArcGIS StoryMaps

EXPERIENCE

Information Technology Specialist – Seattle, WA

March 2022 – June 2022

Organization: *University of Washington*

- Enhanced Adobe Suite functionality for over 300 users by providing proactive technical support and troubleshooting, resulting in fewer reported issues and higher user satisfaction.
- Handled over 50 support tickets per week, resolving issues efficiently to maintain high user satisfaction.
- Delivered effective management and maintenance of an equipment checkout database, improving equipment tracking accuracy and ensuring availability for all users.

Sales Associate – Seattle, WA

March 2023 – Present

Organization: *Shiga's Imports*, <https://shigasimports.com/>

- Managed product database and conducted inventory tracking using advanced Excel functions, ensuring accurate item counts and efficient stock management.
- Successfully sold \$42,000 worth of merchandise, demonstrating strong sales skills and customer service.
- Created over 100 product displays to tailor designs based on seasonal trends, time of year, and customer preferences, significantly boosting customer engagement and sales.