

Shawn Leonard

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LinkedIn Profile: <https://www.linkedin.com/in/shawn-leonard-004592217/>

GIS Portfolio: <https://lenny400.github.io/portfolio-v2/>

Summary: Recent college graduate with a strong foundation in geospatial data science, web development, and statistical analysis, experienced with solving complex analytical problems for businesses. Intermediate Japanese speaker.

EDUCATION

University of Washington – Seattle, WA

Bachelor of Arts in Geography: Data Science, Minor in Informatics

TECHNICAL SKILLS

GIS: ArcGIS Pro, ArcGIS Online, ArcGIS JS & Python API's, QGIS, Google Earth Engine

Data Analysis: SQL, Python, Azure Data Studio, Microsoft Excel

Web Development: React, JavaScript, HTML, CSS

PROJECTS

Seattle Plants Web Map

- **Developed an interactive web map using the ArcGIS JavaScript API** that allows users to explore plant species in the city, enhancing the ability to discover and engage with Seattle's plant diversity.
- **Integrated dynamic data visualization with Chart.js** to display real-time updates on plant distribution through interactive pie charts, providing immediate visual feedback based on user interactions.
- **Implemented advanced search and filter functionalities** to refine plant listings and update the dashboard dynamically, improving the accuracy of plant information and boosting user interaction.
- Tech Stack: ArcGIS JS API, HTML, CSS

Seattle Collision Heatmap

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

EXPERIENCE

Volunteer Front-End Developer – Seattle, WA

January 2022 - June 2024

Organization: *ReThink @ UW*, <https://www.rethinkuw.org/>

- Crafted and enhanced dynamic web and mobile interfaces using React, CSS, and Firebase to drive engagement for eco-friendly businesses and foster sustainability.
- Engineered comprehensive business sign-up forms, high-converting landing pages, and intuitive search functionalities, closely aligning with UI/UX and research team guidelines to ensure optimal user experience.
- Mastered version control through Git and streamlined project workflows using Trello, which facilitated smooth collaboration and timely delivery of features.

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.
- Delivered effective management and maintenance of an equipment checkout database, improving equipment tracking accuracy and ensuring availability for all users.
- Handled over 50 support tickets per week, resolving issues efficiently to maintain high user satisfaction.