

ELAINE AZUL

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EDUCATION

University of Washington

Bachelor of Science

Major in Geography: Data Science

Honors: Dean's List, Palmer Scholar, Learning Seed Foundation Scholar, WSOS Scholar, Upward Bound Scholar

Activities: Study Abroad in Prague, Filipino-American Student Association, UW EOP

Seattle, WA

Expected June 2024

WORK EXPERIENCE

GIS Intern

Transpo Group

March 2024 – Present

Kirkland, WA

- Established and maintained ArcGIS Pro geodatabase project environments adhering to company standards, integrating data from various client and external sources.
- Assisted with diverse departmental tasks, including data edits and updates, to enhance overall team efficiency, closely communicating with supervisors to ensure accuracy and adherence to best practices..
- Applied meticulous attention to detail in digitizing features, ensuring seamless application for field operations.
- Conducted spatial queries and analysis to produce maps that provide valuable insights for traffic engineering and ADA compliance.
- Implemented ArcPy scripts to automate repetitive GIS tasks, increasing efficiency and reducing the potential for human error.

WEB DEVELOPER

Freelance

Seattle, WA

February 2024 – Present

- Developed a professional website for a small business using Bootstrap templates, integrating advanced UI/UX design elements to enhance user interaction and site functionality.
- Managed geographic data integration by embedding custom maps and location-based services to improve user engagement and business location visibility.
- Collaborated extensively with clients to identify project requirements, adapting communication strategies to suit diverse client needs, resulting in a tripling of customer inquiries and significantly boosting business engagement by over 200%.

PROJECTS

TRANSPORTATION ACCESS TO HOSPITALS

March 2023

elaineazul.com/transportation

- Led a four-person team to develop a smart dashboard highlighting disparities in public transportation access for underrepresented areas, demonstrating leadership and commitment to social equity.
- Engineered an interactive dashboard using C3.js and Mapbox to visually present data, enhancing stakeholder understanding and engagement during decision-making processes.
- Implemented spatial analysis techniques using Turf.js to create Voronoi diagrams and conducted buffer analysis with ArcGIS, which facilitated a deeper understanding of geographic service coverage and gaps, informing potential policy interventions.

GUN VIOLENCE IN PROXIMITY TO SCHOOLS

June 2022

elaineazul.com/gunv

- Conducted a comprehensive analysis on the impact of gun violence near high-risk schools in King County, examining educational disparities, graduation rates, and barriers to social mobility by creating a choropleth map to visualize the findings
- Performed spatial and data analysis to identify gun violence incidents within a one-mile radius of schools, assessing the direct impact on nearly 300,000 students' safety and educational outcomes.
- Synthesized findings into a detailed report, advocating for policy changes and strategic initiatives to enhance safety and educational equity in underserved communities.

SKILLS

Programming Skills: Python, GeoPandas, Java, JavaScript, R, HTML, CSS, SQL, Turf.js

Software Skills: ArcGIS Pro, QGIS, Tableau, MapBox, Git, Azure PostgreSQL, Figma, Canva, VS Code