Luong Quan

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SUMMARY

Detail-oriented GIS and data analysis student with experience in geospatial mapping, infrastructure analysis, and digital equity research. Skilled in ArcGIS Pro, ArcMap, and ArcGIS Online, with a strong foundation in data editing, QA/QC, and spatial analysis. Proven success in creating web-based GIS dashboards, digitizing spatial data, and collaborating with diverse stakeholders. Passionate about applying GIS for public infrastructure improvement and community impact.
Explore my portfolio: lquan02.github.io/luongq_porfolio

EDUCATION

Master of Science in Information Management | University of Washington   Expected June 2026
Specialization: Cybersecurity - Data Science - Products, Project Management and Consultant

Bachelor of Arts in Geography: Data Science | University of Washington   June 2024
Minor in Informatics and Vietnamese

TECHNICAL SKILLS

GIS & Mapping: ArcGIS Pro, ArcMap, ArcGIS Online, Mapbox GL JS, QGIS, geospatial data digitizing, QA/QC
Programming & Analysis: Python, SQL, JavaScript, Excel (Pivot Tables, VLOOKUP)
Visualization & Tools: Power BI, Microsoft Office Suite, SharePoint, Git/GitHub
Soft Skills: Cross-functional collaboration, process improvement, technical documentation

EXPERIENCE

GIS Research Assistant |University of Washington | Seattle, WA   April 2024 – July 2024
- Developed an interactive **GIS Mapping Hub** to enhance visibility into Seattle's critical electrical infrastructure, supporting risk mitigation and resilience planning.
- **Translated technical infrastructure data** into actionable insights, simulating risk scenarios, and supporting faster incident response.
- Used **ArcGIS Pro and ArcGIS Online** to create dynamic maps and visualize security and infrastructure threats.
- Collaborated with cross-functional teams to align geospatial intelligence with cybersecurity and physical infrastructure protection needs.

GIS Analyst Intern | Seattle City Light | Seattle, WA   July 2023 – September 2023
- Used **ArcGIS Pro and ArcMap** for infrastructure mapping, QA/QC of supplier and facility data.
- Created **interactive dashboards** to track project timelines, resource allocation, and inventory.
- Assisted in **digitizing asset locations**, updating spatial datasets, and performing basic field verification.
- Printed large-format aerial maps for planning meetings and internal documentation.

Shift Manager |McDonald's | Seattle, WA   Sep 2021 – Present
- Supervised tool and equipment maintenance, ensuring precision operation and resolving mechanical/electronic system issues promptly.
- Conducted visual inspections of equipment to identify defects and coordinated repairs to restore operational accuracy.
- Managed point-of-sale (POS) systems, performed troubleshooting, and coordinated with vendors for service calibration.
- Ensured compliance with operational and financial standards, optimizing service consistency.

PROJECT

InterConnection Digital Access Dashboard | UW Coursework | Seattle, WA
- Designed a web-based **choropleth map** using JavaScript and Mapbox GL JS to identify technology access gaps across Seattle.
- Led a team of four to perform data cleaning, spatial analysis, and map creation with **98% data accuracy**.

- Used **ArcGIS Online** for preliminary visualization and stakeholder feedback before final web deployment.
- Presented findings to community stakeholders and faculty to support policy recommendations.

InterConnection Digital Access Dashboard | UW Coursework | Seattle, WA
- Led a 4-person team to develop a web-based choropleth map using JavaScript and Mapbox GL JS.
- Analyzed and visualized technology gaps across underserved communities with 98% data accuracy.
- Presented findings to stakeholders using interactive dashboards for digital equity planning.