

# Noah Rarick

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## EDUCATION

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### UNIVERSITY OF WASHINGTON, Seattle, WA

*Bachelor of Science, Data Science*

**Cumulative GPA:** 3.67 / 4.0

**Relevant Coursework:** Intro to Machine Learning, Advanced Web Information Systems, Database Management, Data Structures & Algorithms, Web Programming, Data Science Applications, Computer Programming I & II

## WORK & LEADERSHIP EXPERIENCE

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### DELTA DENTAL INSURANCE OF WASHINGTON, SEATTLE, WA

June 2023 – December 2023

*Business Intelligence Analyst Intern*

- Participated in multidisciplinary team efforts to create dynamic Tableau dashboards and SSRS reports, enabling immediate data-driven narratives for insurance claims valued at over \$100 million.
- Automated key Excel reports for operations costs exceeding \$10 million dollars, significantly enhancing process efficiency of a previously manual process.
- Developed and maintained ETL workflows using T-SQL and Python to automate data extraction and transformation, reducing data processing time by 30%.
- Migrated T-SQL reports and stored procedures from Microsoft SQL Server to Snowflake, optimizing report load times by up to 40%.
- Utilized agile methodologies to collaboratively manage projects and practice version control in Azure DevOps.

### UW GIS LAB, SEATTLE, WA

DEC 2022 – DEC 2023

*GIS Developer*

- Worked in multidisciplinary teams to develop a Node.js web map for Seattle City Light to demonstrate the connection between equity indexes and power outages.
- Developed side-by-side heat maps to demonstrate geographical relationships between equity and various public utility outages using MapLibre, Javascript, and Shoelace components.
- Developed a product specification document based on stakeholder meetings with Seattle City Light.

### KENT SCHOOL DISTRICT, Kent, WA

June 2022 – Sep 2022

*Information Technology Intern*

- Collaborated with network engineers to install corporate operating system images on over 3,000 new devices.
- Facilitated the replacement of over 8,000 staff and student devices to improve IT efficiency district wide.
- Developed a technical troubleshooting handbook to reduce IT ticket requests by 30%.

## TECHNICAL PROJECTS

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### SEATTLE COLLISION PROJECT

- Led a team of five students to develop a collision dashboard for Seattle Department of Transportation using HTML/CSS, D3.js, and ArcGIS Maps SDK.
- Visualized over 20,000 traffic collisions using heatmaps and point-layers through web-hosted GeoJSON data.
- Tested user experience for non-technical stakeholders to alter user-interface.
- Developed user interface mockups in Figma, maximizing user accessibility prior to development.
- Presented findings to a panel of SDOT employees, displaying insights into traffic patterns that lead to high injury rates.

### YELP WEB SCRAPER

- Utilized Yelp API and custom web scraping techniques to extract detailed information about local businesses in the Fremont neighborhood.
- Designed and built an interactive Tableau map to effectively represent the relationships between local businesses and reviewer sentiment.
- Developed a machine learning model using pandas and sk-learn to predict review sentiment of additional business reviews using a logistical regression model.

## ADDITIONAL INFORMATION

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**Languages:** Python, Java, R, Javascript

**Skills:** Git, Node.js, Typescript, Tableau, SSRS, ArcGIS Javascript SDK, PostgreSQL, Microsoft SQL Server, Mapbox, MySQL, React, Snowflake, Azure DevOps.