Thomas C. Sato

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EDUCATION

Willamette University – Dual Degree BS/MS Program **Salem, OR (Aug 2021 – Aug 2025)**

- Master of Science in Data Science (GPA – 4.00/4.00)
- Bachelor of Science in Data Science (GPA – 3.90/4.00)

WORK EXPERIENCE

Port of Portland – Performance & Analytics Intern **Portland, OR (Aug 2024 – May 2025)**

- Collected, processed, and visualized data for quarterly PDX Passenger Survey webinars presented to enterprise-wide stakeholders.
- Partnered with enterprise stakeholders to define key business requirements, ensuring survey insights aligned with strategic decision-making.
- Analyzed survey data using Databricks to support restructuring of survey questionnaires and administration.

Kaiser Permanente – Data Analytics Consulting Intern **Remote (June 2024 – Aug 2024)**

- Deployed an enterprise-wide product platform roadmap in Power BI, enhancing accessibility for business intelligence software users.
- Managed Power BI support triage, resolving tickets and improving user satisfaction.

CID Bio-Science – Product Analyst Intern **Camas, WA (May 2023 – Aug 2023)**

- Built KPI dashboards in Power BI to track customer journey, product development, and sales metrics.
- Performed data cleaning, transformation, and visualization in R to address data quality issues and communicate insights from historical sales data.
- Applied TensorFlow-based data augmentation, improving a predictive chemometrics neural network model.

Willamette University – Embedded Tutor/Course Assistant **Salem, OR (Aug 2022 – May 2024)**

- Tutored students in R programming and statistics; led debugging and problem-solving sessions.
- Graded statistics assignments for >50 students, ensuring consistency and timely feedback.

PROJECTS (github.com/thomascsato)

Willamette Cove Remediation Application (2024)

- Developed interactive GIS-based data visualizations using RShiny for environmental analysis.
- Enabled project managers to analyze soil sample data in the Willamette Cove Superfund area.
- Collaborated with remediation teams to optimize soil removal decisions, reducing project costs.

Portland Metro Area Car Crashes Analysis (2023)

- Leveraged Python libraries (NumPy, Pandas, Matplotlib, scikit-learn) to analyze 330,000+ car crash records over 15 years.
- Built a KMeans clustering model to identify high-crash areas and key accident factors.
- Used SQL within GIS software to query crash data and enhance spatial analysis.
- Visualized models with GIS software and developed policy recommendations to improve road safety.

Shakespeare Sentiment Analysis (2023)

- Automated a mathematical model that matches characters from any two of Shakespeare's plays based on probability similarity metrics.
- Applied NRC Sentiment Lexicon to categorize sentiments.
- Cleaned and transformed text data for analysis.