KAIDEN ELAM
DATA SCIENTIST | PHYSICIST

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PROFESSIONAL SUMMARY

Masters of Data Science graduate with a background in physics, looking to combine those fields. Skilled in understanding coding language documentation to leverage similar capabilities across languages, and explaining work to others. Confident in ability to learn on the job and advance skills to enable team success. Committed to lifelong learning and translating technical topics to a general audience to make science more accessible.

EDUCATION

Masters of Science: Data Science, Willamette University | *Portland, OR* (graduating August 2025)
Bachelors of Science: Physics, Willamette University | *Salem, OR*

AREAS OF EXPERTISE

- Python (pandas, etc)
- R (tidyverse)
- SQL
- Markdown
- Git version control
- Microsoft Office suite
- Machine learning
- Data visualization
- Documentation diving

PROJECTS

Trimet Stop Usage Analysis, MSDS Capstone **August 2025**
Use of … Machine Learning Models in Calculating Peculiar Velocity, BS Physics Thesis **May 2024**

RELEVANT PROFESSIONAL EXPERIENCE

Lab TA, Willamette University | *Salem, OR* **January 2023 – May 2023**

- Ensured lab documents and instructions could be easily understood by students by assisting with lab preparation and completing lab worksheets before lab hours
- Increased professor availability in lab by checking off worksheet milestones and ensuring students were on track
- Increased student learning by interpreting coding error messages and providing clear explanations about specific inputs and outputs to answer student questions

Research Assistant, Willamette University | *Salem, OR* **May 2022 – August 2022**

- Launched ongoing cosmological research project in professor's lab by applying methods described in a research paper to machine learning models
- Contributed to the research project by collecting data from cosmological databases and testing machine learning algorithms in an iterative process
- Increased team understanding of the dataset by presenting research weekly and interpreting model output graphs
- Made complex machine learning work accessible to a multi-disciplinary audience by presenting research to 50+ faculty and program participants during SCRP symposium