

# ROSLYN WILLOUGHBY

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## EDUCATION

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Senior, Washington State University  
*McCroskey Scholar; President's Honor Roll*

Expected Graduation Fall 2025

*Pullman, Washington*

Relevant Coursework: • Statistics • Python • Data Analytics • Psychology • Data Structures

## EXPERIENCE

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### WSU Research Intern

June 2024-August 2024

*Data Science at Phenomics Lab, WSU*

*Mt. Vernon, WA*

- Fine-tuned a Large Language Model (LLM) to analyze and support phenomic technology initiatives, improving data-driven stakeholder engagement.
- Refactored analytical tools from MATLAB to Python, making software resources more accessible for cross-functional teams.
- Conducted statistical analyses using Python, applying ANOVA and Pearson correlation tests to identify patterns in pH and sugar levels based on RGB values in raspberries.
- **Skills learned:** Business Research Methods, Data Analysis, Research Writing, LLM Finetuning, MySQL

### Assistant Coordinator

August 2023-Present

*WSU Access Center*

*Pullman, WA*

- Recruit and onboard notetakers, providing tailored orientation sessions to prepare them for effective support roles.
- Remediated documents and tests to ensure accessibility for students with disabilities.
- Facilitated open communication between Access Center students and notetakers.
- **Skills learned:** Microsoft Office Suite, Training and Development, Management.

### Research Assistant

August 2023

*WSU Sensory Lab with Prof. Carolyn Ross*

*Pullman, WA*

- Meal Preference Study with 60+ adults. Utilized Compusense and Automated Self-Assessment Dietary Assessment (ASA-24). **Skills learned:** Statistical Analysis on collected data. Data Visualization; Research constraints with human subjects.

## PROJECTS & SKILLS

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- **Programming Languages.** Proficient in Python, SQL, and R, with hands-on experience using Scikit-learn for machine learning and MySQL for database management.
- BCG Introduction to Strategy Consulting Job Simulation on Forage - November 2023
- JP Morgan Investment Banking Job Simulation on Forage - March 2024
- Google Data Analytics Professional Certificate
- CPR & BLS/AED Certificate
- **Tools/Packages** R, Python Data Science tools

## SELECTED PROFESSIONAL AND OUTREACH ACTIVITIES

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- **Volunteer Mentor, Native Youth Exploring Higher Education (NY'EHE)**

Summer Camp, Washington State University

Assisted in a "Learning through Pixels" workshop, introducing Native American high school students to electronics using Raspberry Pi Pico, fostering curiosity and hands-on learning.