Kaiona Apio

Data Scientist, Ecologist, & Conservationist

Pacific Northwest | (425) 622-5887

Email | Website | LinkedIn

EDUCATION

Master of Science in Data Science, *Willamette University*...August 2025

    Relevant Coursework: Data Science with R, Data Visualization, Applied Machine Learning, Data Engineering, Python for Data Science

Bachelors in Biology & Environmental Science, *Willamette University*...........................May 2024

    Relevant Coursework: Geographic Information Systems, Disease Epidemics, Research in Molecular Ecology, Biogeography, Evolutionary Biology, Plant Systematics

TECHNICAL SKILLS.......................................R | Python | ArcGIS | QGIS | PostgreSQL | FigTree | CodonCode

EXPERIENCE

Graduate Researcher, *Willamette University Department of Data Science*
Nov 2024 - May 2025
- ➤ Streamlined invertebrate identification methodology by generating an R Shiny application
- ➤ Increased efficiency of UI by integrating HTML within the R code

Greenhouse Assistant, *Biology Department at Willamette University*
Mar 2023 - May 2024
- ➤ Ensured plant health by generating an inventory spreadsheet to help new assistants identify plants and make the watering schedule more efficient.
- ➤ Worked with tropical and subtropical plants to ensure proper watering, propagation, and pest control.

William Webber Scholar, *Science Communication and Outreach at Willamette University*
Aug 2022 - May 2024
- ➤ Generated lesson plans that could translate university-level research and methodologies into elementary and accessible language.
- ➤ Built enthusiasm by leading scientific demonstrations and experiments for small groups averaging 3-6 students per table.

Student Researcher, *Willamette University Department of Biology - Fall 2023 - Spring 2024*
Salem, Oregon
- ➤ Worked with phylogeny data from the Barcode of Life Database and processed in FigTree
- ➤ Collaborated with other senior thesis researchers on various projects related to the molecular ecology and taxonomy of Apoidea species

Research Assistant, *Willamette University Department of Biology*
Mar 2022 - Nov 2022
- ➤ Generated thematic maps using QGIS and ArcGIS to communicate research findings.
- ➤ Increased community outreach by creating events and exhibits to propagate knowledge of the Oregon Oak ecosystem