



Lindsay A. Nash

Air Quality Data Scientist

Ms. Nash joined Sonoma Technology in 2024. She applies her background in climate, atmospheric chemistry, and data analysis to support a broad scope of air quality projects. She uses R and geographical information systems (GIS) to analyze and process satellite data (GOES and VIIRS), refinery fence-line air quality data, and air pollution data for community monitoring projects. Additionally, Ms. Nash supports the organization and distribution of products for the Kids Making Sense air quality program and assists in

translating the program's educational materials to Spanish.

Before joining Sonoma Technology, Ms. Nash earned her Bachelor of Science in Atmospheric Science and Minor in Spanish from the University of California, Davis. During her time at UC Davis, Ms. Nash worked in the Atmospheric Science Department as a Research Assistant for Professor Adele Igel. Ms. Nash assisted in research on the impacts of increased aerosol concentrations on thunderstorm updrafts, and cloud blackbody dependence on liquid water path. Ms. Nash performed skilled data analysis, using both Python and MATLAB, to generate informative tables and graphics using statistical methods.

Ms. Nash worked as an Analyst for the UC Davis Land, Air, and Water Resources (LAWR) Weather Station, reporting meteorological data and maintaining sensors. She managed the weekly collection and shipment of rainwater for the University of Wisconsin's National Atmospheric Deposition Program. Additionally, Ms. Nash served as president of the UC Davis American Meteorological Society (AMS) Student Chapter for two years. As president, she developed a student mentorship program, coordinated community outreach events, and organized presentations from professionals in the Atmospheric Science Field.

Ms. Nash is an experienced programmer in Python and MATLAB and is developing her skills in R and GIS.

Education

BS, Atmospheric Science, University of California, Davis

Memberships

- American Meteorological Society
- American Geophysical Union