



## Dylan L. Marcus

*Software Engineer*

Mr. Marcus joined Sonoma Technology in 2019. He has contributed to the development of the eSIMS web-based logbook, which is used by air quality monitoring agencies to schedule site visits and audits, log activities, and track instrument maintenance and calibrations for their monitoring networks. He has also worked on enhancements to the AirNow-Tech Navigator application for the U.S. Environmental Protection Agency

(EPA). AirNow-Tech allows air monitoring agency users to view and analyze air pollution and meteorological data, access forecasting and data resources, and submit air quality forecasts to AirNow.

### Education

BS, Computer Science, Sonoma State University

Mr. Marcus implemented frontend development for the AirNow.gov air quality dial widget, displaying real-time air quality information in an easy-to-understand graphical format. He has also investigated data inquiries for clients and users of the AirNow API, using both application and database information.

In addition, Mr. Marcus has also worked on CT-EMFAC, a calculation tool developed for the California Department of Transportation that quantifies emissions originating from transportation projects. As part of this work, Mr. Marcus updated CT-EMFAC's user interface and calculation data. He also worked with the Eastgate Regional Council of Governments in Ohio to modernize the technologies used on their Mahoning Valley Air website to improve their public outreach.

While earning his BS in Computer Science from Sonoma State University, Mr. Marcus developed skills in product management, frontend and backend website design, and web extensions. He has experience with many software development tools, including C, C++, Python, MYSQL, HTML, CSS/SASS, and JavaScript.