

CodeDay Labs – Fair Air

Ruben Esqueda

Mentor: Eric Hui

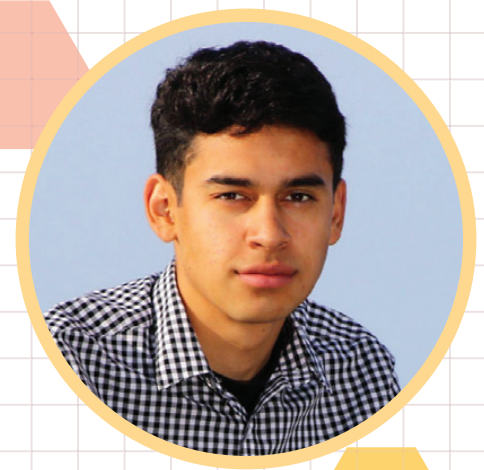


HARTNELLCOLLEGE

We worked on this project as CodeDay Labs interns with the help of our mentor Eric Hui. During this project, our team considered the fact that more people are concerned about air quality, especially during the upcoming fire season. Because of this, we decided to create Fair Air, a webpage that allows users to view current AQI levels and a forecast for the next couple of days based on the zip code the user enters.

The web app can run on multiple devices and in different formats. The items on the navbar can lead us to the different pages to get the desired information. Currently, we allow the user to log in with their Google accounts to our webapp. You do not need to register in order to use the Fair Air Project webapp. It makes it easier for you to just use your Google account to log in so that you can look up AQI data for your area by typing in your zip code. The website will respond and display the current and future AQI data for the current day and next few days depending on the data.

As a group, we had lots of different learning outcomes. The biggest being, learning to create a



high-level design for our projects. We spent a lot of time researching and sorting through data to create our project design. With this we also were able to strengthen our software design principles. Expanding our tools and different programs we can use was another big learning outcome, as we used React, Devops and Build automations. None of us have actually used or built an application on react, we did have a learning curve to adapt to, but we were able to get through and we now feel comfortable and more than able to build an application on React. Although we all have worked on AWS, we were able to get more comfortable working with AWS. We also were able to learn to work as a team and collaborate to accomplish a goal from beginning to end.

Ruben Esqueda

Major: Computer Science