

Anne Bailey '22

Internship at Resource Systems Group in White River Junction, VT
Summer 2019

This past summer, I used my Byrne Scholar funding to do an internship in White River Junction. I interned at RSG (Resource Systems Group), a consulting firm that uses technology, modeling and analytics to inform clients' strategies. One of their projects is a mobile app, rMove, that collects users' transportation data; this data is then analyzed to consult for cities' departments of transportation. They have a secure website that allows them to look at the data they are collecting, but when I first started working, they would only know about issues with the data if they went in and looked. For example, one weekend before I arrived one of the servers they rent out had gone down, and no one realized it until Monday. My job was to add a webpage that ran diagnostics on the data and displayed it in an easily readable format. I used Django (a Python web framework) and Plotly (a Python-based data visualization tool) to create graphs and data tables showing the amount of transportation surveys collected over time, the number of trips the app collected that users reported were incorrect, and other potential issues with the data. This webpage will hopefully allow developers to more easily see when and where issues are occurring with the app in order to fix them.