

Miranda Mo

Capstone: CSCI 1320, Creating Modern Web and Mobile Applications

Faculty Sponsor: Steven Reiss

## Vaccessible: Finding Vaccine Appointments in Rhode Island

### Abstract:

As the project leader in a group of 4 for my capstone project, I created a web app that finds vaccine appointments from state-run and private providers in Rhode Island. We aggregate information across multiple vaccine websites and publish it on our website in real-time. Expanding on the skills from CSCI1320, the project has a Node.js/Express backend and React front-end. We used the Cheerio web scraping library to analyze information on vaccine provider websites, then stored our data into a MongoDB database. Our front-end then fetches data and updates the website every minute. Users can also filter vaccination sites based on location, distributor, and brand. The site is also designed from a UIUX perspective, thoroughly tested for accessibility and security concerns.

Public Website: <http://vaccessible.com/>

Github: [https://github.com/mirandamo/cs132\\_final](https://github.com/mirandamo/cs132_final)

