

Integrating US Census in Data Analytics

Paid internships after Field Session will be offered to students that perform well. These often extend into the school year, and after graduation turn into full-time positions. Inquiries for paid internships/full-time positions are always welcome, even for students who do not work on this project.

Client

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Background

Datava develops enterprise level resource management and business intelligence tools in the cloud. Our customers use Datava to integrate many data sources into a single place, where they can visualize and analyze their data. A previous CSM field session team built in an integration with the US census API, which we use. We would like you to build a modern user interface for pulling and integrating this data into Datava's system.

Project Goals and Requirements:

You will work with a former CSM student who worked on the original US Census project; he is now a full-time software engineer at Datava. You will learn how the US census API works, and build a user interface using Javascript and HTML to download and interact with that data.

Suggested team size and location:

3-4 students. Work can be done from CSM campus or elsewhere (connecting to our remote dev environment) or at our offices in Westminster, CO.

Skills/Experience for CSM Students:

You will learn a lot about how to build user interfaces for web applications and connect them with server-side API integration with other systems.

- Javascript and HTML: The web runs the world. Even many desktop and mobile applications are actually web applications running in an embedded browser (e.g. Slack and VSCode).
- API authentication: how to authenticate a session with an external API.
- REST APIs: how servers communicate with each other.

Note: All intellectual property developed as part of this project will be owned by Datava, Inc.