Relationship Network Viewer

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

David Flammer, Datava.com, david@datava.com

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. Relationships between data are integral to this. This can be visualized as a network, where blobs of information or other stuff are related by connections or arrows. We would like you to build us a visualization tool that will take in relational data and display it in a pleasing format.

Project Goals and Requirements:

You will use Javascript and HTML to build a relationship network viewer. You can use any frameworks that will help you do this (e.g. d3.js or another JS framework with tools in this area). See here for a nice example: http://projects.flowingdata.com/tut/interactive_network_demo/

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:

We'll team you up with one of our interns that previously came through field session at CSM to mentor you through the project.

You will learn about how to build visualizations for the web using HTML and Javascript.

- 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).
- Javascript libraries and how to use them.

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