

Visual Workflow Builder

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.

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. Part of this building and executing workflows. We have data structures that can be used to build these workflows: think blocks and arrows between the blocks that take you from one place to another. We would like a visual builder for these blocks and arrows.

Project Goals and Requirements:

You will use Javascript and HTML to build a graphical workflow builder. You can use any frameworks that will help you do this (e.g. d3.js or another JS framework with tools in this area). Think something like Microsoft Visio.

Suggested team size and location:

3-5 students. Work can be done from CSM campus or elsewhere (connecting to our remote dev environment) or at our offices in Golden, CO (about 10 minutes from campus).

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.