Integrating Datava's systems with Hubspot

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. Integration with other tools is an important part of what we do. A popular marketing automation platform is Hubspot. We would like to you build an integration layer between our system and theirs.

Project Goals and Requirements:

Hubspot has a robust API, which we already connect to. This allows us to control Hubspot objects from our system, and provide a graphical user interface for tools that Hubspot has none (for example, custom objects: https://knowledge.hubspot.com/crm-setup/use-custom-objects). We would like to improve these tools. That's where you come in. For any integration, there are three broad components:

1) Authentication: you will learn how to use OAuth, a popular integration authentication method (this is what you are using when you sign into Stack Overflow using your Facebook account).
2) Communication: you will learn how to use REST API's to communicate between servers.
3) User Interface: you will learn how to build out effective user interfaces using Javascript and HTML to control Hubspot resources.

While this project will build out a Hubspot integration, the tools you will use will be essentially the same for any integration.

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:

Students will learn about modern integration methodologies:

- OAuth for authentication
- REST APIs: how servers communicate with each other
- 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).

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