The World of SETI

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Overview

Today the SETI Institute has built its own dedicated observatory in partnership with the University of California Radio Astronomy Lab, the Allen Telescope Array. SETI observations are routinely conducted and people are very interested in what is taking place. The project needs to find a way to show its visitors the observations that are in progress in a way that allows them to understand exactly what’s going on without direct interaction with the system.

This project is called “The World of SETI”, and its purpose is to give insight in the searches that SETI conducts. SETI Institute wishes to capture the enthusiasm of people everywhere and allow them to participate directly in the search. Many of the components of the displays developed for the SETI Institute site can be extended to other platforms and help to educate and inform a new generation of scientists.

Display 1

- Dynamic displays.
- Depiction of SETI antenna array and the actual data received.
- Shows waterfall, baseline and observational history.

Display 2

- Contextual information related to Display 1.
- Google Sky to show actual beam scan location.
- Contextual information sourced from an external webpage.
- Weather display to show weather at Hat Creek.

Technologies

- Ruby on Rails
- Processing.js
- JavaScript/HTML5/CSS/AJAX
- Google Maps API
- Google Charts API

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