

Case # 7: Computer Science and Information Technology (Software)

Objective

Integrate feature-rich internet search engines for the MLS listings of into a fully customizable, high speed, platform independent web interface.

Obstacle encountered

- Slow performance speed due to extensive low-level processes that require several milliseconds to complete but require sequential processing
- Current technology loaded in isolation from the rest of the site thus infeasible to access records on the page
- CSS and JavaScript introduce global variables which require overrides without disruption of effects of said variables. Require site specific code and updates would cause frequent services disruption

Advancement that was made

Development of a platform independent robust web interface software that is completely flexible, allowing an end-user to fully customize their page to display any gadget, piece of information, and modifiable database search modules from within a remote site while performing this analysis fully on the user's system for annexation in search engine relevance. Processing time improvement from 58s – 6s

Time from Submission to Acceptance

- Submitted to the Government October 24, 2011. Accepted as Filed November 14, 2011. In 20 business days the claim was accepted as filed with a total realized value of over \$100,000
- Utilizing Bonds Services since 2008 they have received a over \$375,000 in SR&ED refunds.

Example of evidence

- Emails
- Time tracking software
- Design, system architecture and source code
- Samples and prototypes