CONNECTED to RESEARCH

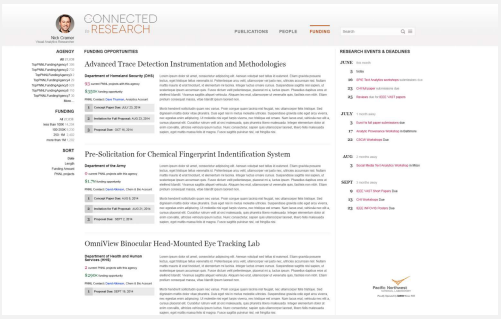
Motivation

Research scientists need to keep up-to-date with advancements through reading publications, writing proposals and obtain funding for their work, and finding experts in their field to collaborate with.

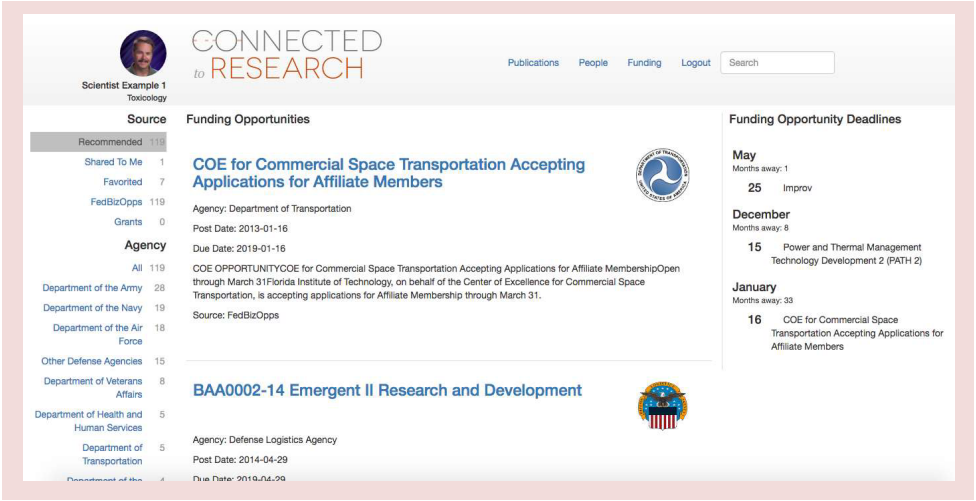
It is time consuming to comb through all of the different online information sources for publications and funding and it can also be challenging to find other experts in their field to collaborate with. Our goal is to help mitigate these problems.

Connected to Research is a web app that presents researchers with relevant publications, people, and funding opportunities with very little effort. It does this by storing a user's interests and utilizes them to make recommendations.

Connected to Research will promote collaboration and research by presenting a unified web interface for researchers, so they will no longer need to manage multiple websites and search manually.



Project sponsor's mockup for funding component



Project Overview

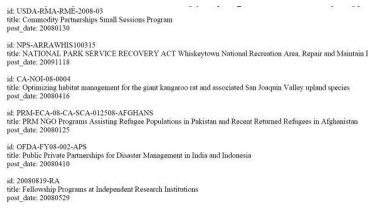
Connected to Research aims to make researchers' lives easier by connecting them to relevant publications, funding opportunities, and experts in their field with very little effort.

Our research team worked on the funding component of the Connected to Research tool which will:

- Gather funding data from Grants.gov and FedBizOpps.gov
- Recommend opportunities based on researchers' interests
- Let researchers spend more time researching
- Allow the researchers to facet and filter through different funding opportunities.

Solution Implemented

- Researchers no longer need to search in various sources for funding opportunities, the system pushes these opportunities to the user based on their interests.
- AngularJS to create the visuals and interactions on the screen.
- PHP to obtain data from websites (XML) and store it into a database.
- MySQL to manage data and get information from the database to the user.
- PHP scripts to return JSON encoded data about funding opportunities.



Output from Grants.gov XML parser

The Majestic Turtles (Team 29)

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Deliverables

- An automated system to gather funding opportunity information and publication venue information.
- A database to house funding opportunity and publication venue information updates gathered by the automated system.
- A web user interface that extends an existing Connected to Research UI which displays funding opportunity and publication venue information.

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