Example 1

CitizenScience.org supports scientists, educators, and others who work to advance public participation in scientific research. The site has suffered from an abundance of great content stuffed into an outdated and hard-to-navigate site.

A team at Ideum, Inc., will be handing over a new Wordpress-based CMS and design in early February, and we are excited to emerge from our cocoon. But now we have the challenging work of sifting through and migrating content, trying to take advantage of the opportunity for improving clarity and navigability.

In particular, the core of the site – the “Citizen Science Toolkit” – is a mess of ideas and resources. We need help to develop and implement a tag set for that content for improved navigation and search in the new CMS.

This will require:

• Developing a content inventory
• Becoming familiar with audience and content
• Developing starting tags for navigation and predictive search
• Selecting and assigning existing terms and new labels to the content.
• Ideally, adding tags to the migrated content (potentially in collaboration with another student on a related project).

Example 2

This is a research opportunity to help the University of Maryland (UMD) Libraries evaluate tools designed to enable preservation of digital assets. The capstone student(s) will work collaboratively with staff in the Digital Systems and Stewardship Division to evaluate specific applications, against a set of features, defined by the UMD Libraries. The goal is to identify a suite of tools which, when implemented, will fill high-level requirements for a bitstore preservation system. Experience and comfort building, running, and configuring open-source applications required.

Tasks and Deliverables:

• Review and understand “High-Level Requirements for Bit Preservation System” document created by the UMD Libraries, 2013.
• Research each of the pre-selected tools and create an evaluation matrix based on requirements.
• Identify and research additional tools that meet the high-level requirements.
• Make recommendation for final suite of applications.
• Final results may be used in a presentation at a conference in summer 2014.