



Science Community

ABSTRACT

Research outcomes that are not documented and shared are effectively lost. Put another way, why do the research if the outcomes are not made readily available? Science communication via the internet and social media enables broad dissemination of new discoveries and constitutes a key component of the research enterprise. This summer I am learning to create web pages and online resources to document research outcomes and programs, including the project activities of the George Washington Carver (GWC) Internship Program. This has involved learning to code HTML, manipulate multi-media files, and logically organize information. Developed resources will be available online at <http://www.lawrencelab.org/outreach>. Documenting research activities and new data online will make these resources available to scientists and the general public alike. Such resources enable the general public to read essays and articles that explain the purpose of research project and help scientists to gain access to data to further their own work. What's more, they enable groups, interested in similar topics to identify shared interests and work together. For the GWC interns, the ability to show their involvement in research projects will be a benefit for demonstrating past research experience for graduate school application. Most importantly, communicating science allows everyone to benefit from scientific discovery.

<http://www.lawrencelab.org/outreach/2015/arylssia>
<http://www.lawrencelab.org/outreach/2015/gwc>

Personal Webpages
GWC Project Webpages

INTRODUCTION

To get their message and ideas out, a writer needs to get the attention of an audience and inspire the reader's interest and trust. Scientists worldwide seem to rely on findings directly as the end-point for their activities without considering how best to get the information out to the public. Transferring their finding via extension services, social media, and popular publications is also lacking, which keeps the public from being able to fully benefit from research outcomes. The worldwide web is an amazing tool for social networking communication and for business. Likewise for research, the web has become an indispensable tool that enables both scientists and the general public to access research outcomes. For the work describe here, my central question has been: "How could I share my ideas and future goals for exploring science with the next generation without making the message difficult to display and difficult to understand?" Learning how best to communicate science is an opportunity for me to develop these skills. This summer I am learning how to do that by working with the Iowa State University GWC summer undergraduate research interns and high school students (who come from all over the country) to represent their summer's research activities.

MATERIALS & METHODS

I've studied been studying Adobe software that are Dreamweaver, Photoshop, Auditor, and Premier to get a better understanding of the usage of creation style themes that involves, have nothing to something within your mind to show others a different topic of way to see photos or certain materials of free styling on these software. The collection of software has usage of creating webpages; in fact the learning the progress to be unique includes the self-teaching on the ISU beginner's program called, "Lynda.com" is where I've memorized coding of HTML.

Each GWC intern students was paired up with an ISU professor as their summer mentor for eight weeks, to help develop research skills on what they are majoring in at their home university. Fellow intern students report that, they strongly believe that this program has helped them with networking and that the internship activity likely has increased their chance of working under their mentor for future. If they decide to come to ISU, their history as a GWC intern student could be documented, thus attesting to the value of the GWC program, both for making opportunities available and for recruiting minorities to ISU. Meanwhile, these students also report that they are thankful they got the opportunity to be involved in GWC given the large number of applicants to the GWC Internship Program.

DISCUSSION & CONCLUSION

With sharing knowledge of experiences while attending the George Washington Carver Internship Program, the undergraduate, graduates, and high school students have the potential benefits for the social sciences to succeed in their field of interest or towards their future careers. Developing a webpage with presenting the research project of communication with others and their resources on documenting abstract information on varieties of results helps the researchers have an existence of having a chance to relate to other scientists. Meanwhile, the George Washington Carver also has their own website of recruiting students for their summer internship every year. The impacting of this program helps students interact with their mentors of having hands-on experiences and exposing them to the research opportunities of networking. As they say, "Practice makes perfect." Giving the opportunity to the student interns of exploring their field of interest, which the GWC program promotes the educational direction of Agriculture Education and Life Science research partnership with Iowa State University. Of seeking the future scientists of STEM fields with the studies in working on varieties plant species that are used in the Agricultural Business of Food Service. The interns have to be committed to their research project, to gain the knowledge of sustainability for the different types of environment. Regarding the climate changes in different environment issues of degradation on the food resources. On managing the stabilization of growing organic and inorganic crops in pacific regions where the community are in need for healthier nutrition of food products. To document their research outcomes from the George Washington Carver internship have the enable to showcase their works to friends and colleagues, to use this science communication technology project can help the GWC interns to get another internship to thriving towards their future careers.

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