

# An Online Collection of Scientific Writing: Digital Portfolio

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## Abstract

*As an aspiring Allied Health student, there are a multitude of writing and research opportunities. Millersville University supports their STEM students and encourages them to research what they find interesting. A portfolio allows students to compile writing, laboratory reports, and research they value onto one platform. This presentation will cover the experience of making a digital portfolio and the creative process.*

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## Introduction

With the experience I gained from WRIT 472 and Dr. Farkas, I created an online portfolio that contains my best pieces of writing. I am majoring in sports medicine with a minor in science writing. After completing my undergraduate studies, I hope to attend graduate school to become a physical therapist. I have included a variety of lab reports, individual research, literature reviews, psychological skills assessments, and analysis of scientific discourse. This digital portfolio provides a platform for all my professional writing in hopes of targeting future employers and admission staff.

## Creative Process

To create a portfolio composed of science writing, I picked samples that include lab reports and research, scientific

literature reviews, and sports psychology. In the Lab Reports and Research category I have included independent research on the effects of caffeine on cognition, an extensive laboratory report on membrane and osmotic fragility of red blood cells. In the Scientific Literature Review category, I included an analysis of scientific discourse on the topic of anabolic steroids, a literature review of research on chronic external compartment syndrome, and an analysis of Dr. Lehman's research on esophageal cancer cells. Lastly, the category of Sports Psychology includes writing on why concussion treatment is crucial in neurological recovery, and a six-week psychological skills training program designed for a specific collegiate athlete.

Although it was hard to narrow down what writing I wanted to include in my portfolio and how I wanted to organize it, I

was able to propose my design to my peers and professor for critique. After numerous peer review sessions, I compiled the best version of my samples. After perfecting my samples, I started the construction of my digital platform. Platforms I considered were Wordpress, Wix and Weebly. I decided to use the website WIX, because it included elements that made my portfolio interactive and easy to navigate. There, I designed an aesthetically pleasing portfolio that provides my writing, background, resume and more.

### **Conclusion**

Constructing a digital portfolio should be a projection of an individual. To do this, I incorporated elements that illustrate my interests. Such as a quote from my favorite authors and pictures from the greenhouse I work at. I am grateful for the guidance and support from my peers to assist me in the portfolio process.