

Sam Wyche
Army ROTC Webpage

My senior design project is an improved Army ROTC webpage. What we have now has a lot of unnecessary and confusing information, and my goal is to clean that up. I want to find a way to make Army ROTC look more appealing to individuals who may be interested. I joined Army ROTC after reading the website, and I think if it is cleaned up a bit then others will too. This is a good opportunity to learn about web development because that is something I have never done before. This will be a good challenge of my individual ability to teach myself something new and to work through confusion and frustration.

I have had a limited number of co-op experiences because of military obligations, but I have done a few EEPs for co-op credit. My first was focused on learning new programming languages and improving upon the ones I already knew. I became much more comfortable with C++ and Python, and I spent a short amount of time learning JavaScript and Swift. My second EEP was project-based work. My project was to build an iOS application called Wardle. It was an online version of Wordle that could be played head-to-head against friends.

I have not taken any courses directly related to web development, but I think my project-based EEP will help me be successful. During my project, I had to do a lot of learning on my own. I had to utilize a lot of different resources and analyze my code to figure out what was going wrong. This was a stressful process, but ultimately taught me a lot about searching for answers to problems. I think this will help me be successful in my web development project because I'm sure I will have a lot of the same issues and will have to work through a lot of problems.

I am motivated and excited to do this project because this is something very personal to me. Within the Army ROTC battalion, we have had an issue with recruitment and retention and my goal is to help solve this problem a little bit. There are many common misconceptions about the Army and ROTC, so I want to try my best to clearly present information and make the webpage look more unique. If I do a good job with this, I hope that my work can become published for people to see.

My approach to this project will consist of a few phases. First I will need to collect the information that I want to present and come up with the vision for the final product. Next, I will develop the outline for the webpage and get everything roughly in the right areas. The third step will be to clean it up and make it look more presentable. The fourth step will be to add functionality in certain areas. The final step will be to add graphics and animations to make the webpage more visually appealing.