

Virtual Reality Tour of USACE



Background:

All across the country USACE Teams are struggling to find ways that the public can see a park or location from all over by just using an app to visit a lake, go kayaking or skiing and much more. While there are great 360 photos on Google maps, but we want to build an app that would allow someone to see a 360 video walkthrough of the Albeni Falls Dam in North Idaho while sitting in Hutchinson, KS at a state fair water safety booth.

Project Description:

Our project, and our National Innovations team, is looking to build a mobile app that will allow visitors to take a virtual reality tour of our facilities. Ideally, we will either have someone film, or film ourselves, a scene where the camera travels down the nature path, stopping at the points of interest, where a Park Ranger will be there to give a quick speech. As the virtual tour runs, you will be able to look all around you, while hearing all about the projects current operations and historical data. We will also need to be able to add and remove the different tours as we would like to maybe change with the systems.

Outcome:

Students will be working alongside our Innovations subteam for this innovation and will get to work with a professional federal agency. The students are expected to figure out how the process works and how to adjust and replicate. The goal is to be able to pilot this technology in at least one Visitor Center over the summer months. Students will need to handle all coding and software. We would like to publish the application in both the Apple and Google store. Our Innovations subteam will provide the video (examples below), but we will need your help with compiling, editing, and transferring the files into mobile app.

