Douglas Swanson

CSE 593 Applied Project

Project Discussion and Planning

* Background information on yourself including where you work and what you do;
  + I am currently working as a software engineer at the Boeing Company with their Phantomworks Virtual Warfare Center, or VWC for short. We have a number of environments that are used to run Operator in the Loop simulations for training and research purposes. I work on our Space Simulation here in Colorado Springs, CO.
* A description of the type of project you are interested in doing -- the project will be something that interests you that you will work with a faculty member on during the semester.
  + I am interested in working on a configuration management application that would allow our team to create and modify scenarios within our simulation environment, since this is mostly done manually with a few scripts here and there, currently. I am working with my team at work to define more specific requirements for this project. Also due to my company’s IP policy, this project would be more of a framework that would allow us to plugin in more specific algorithms and visualizations later on. Our department is looking to move towards using more web technologies to allow us more flexibility across a number of different hardware architectures, we plan on this being a web application using Node and react at the minimum.