

# Project C Report

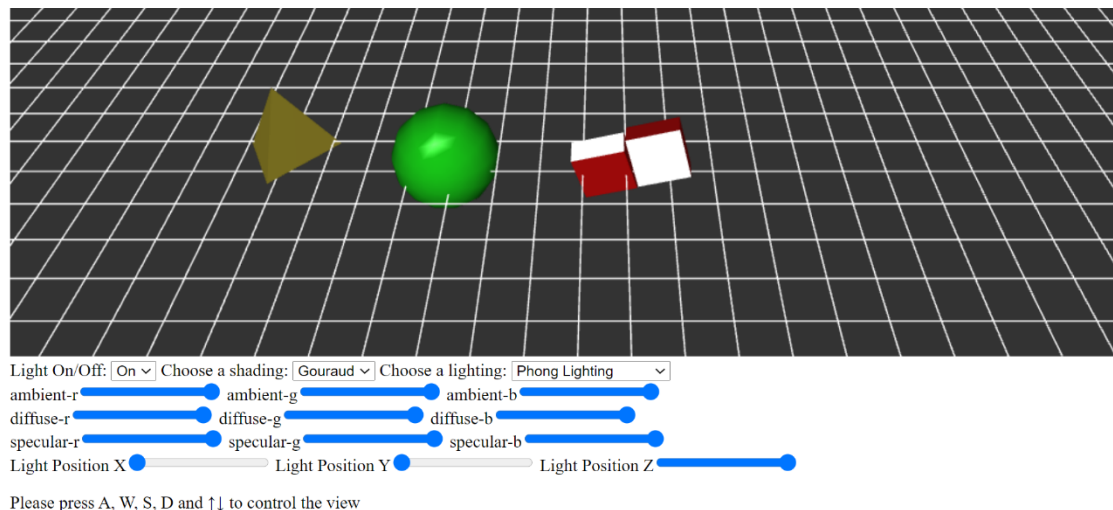
Name: Xiaowei Chen

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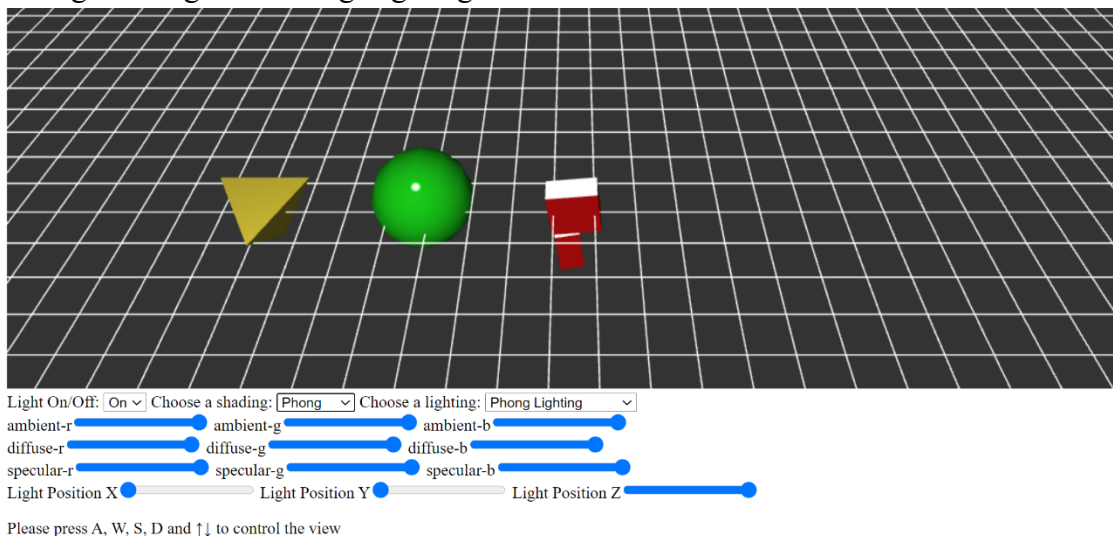
Goal: This project aims to get used to techniques of lighting and shading methods in WebGL.

User Guide: There are several slider bars and selecting boxes on screen, each with a name at the left side telling users about its usage. Users are able to switch light on/off, shading methods, lighting methods, ambient / diffuse / specular components, light positions, and view positions. Three materials are being used. They are emerald, gold and ruby. One for each shape.

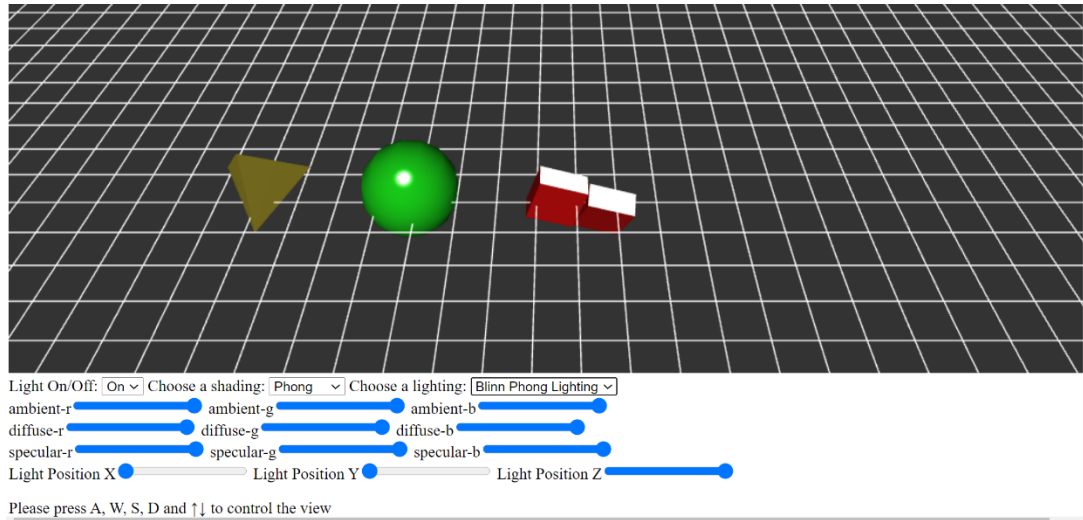
Gouraud Shading:



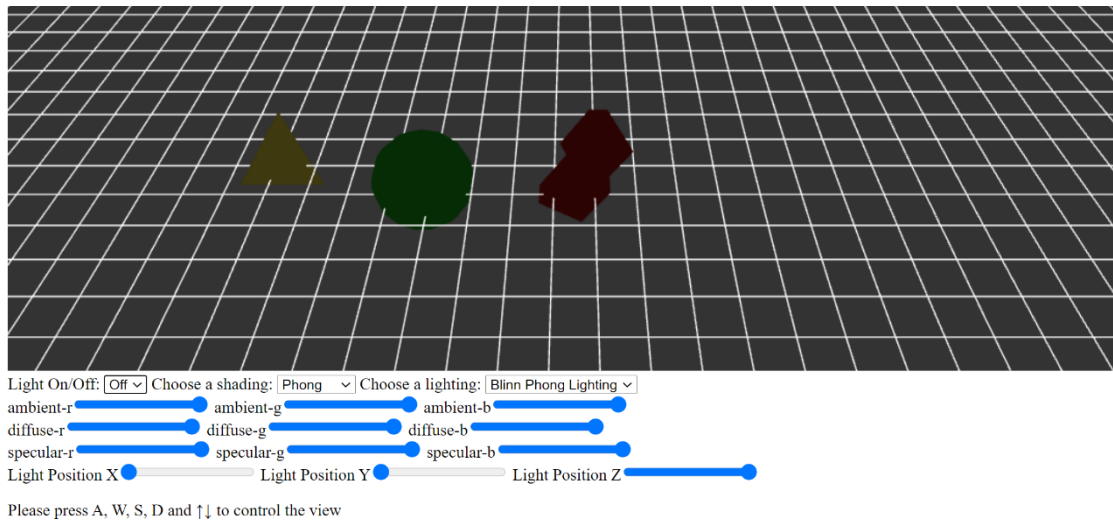
Phong Shading with Phong Lighting:



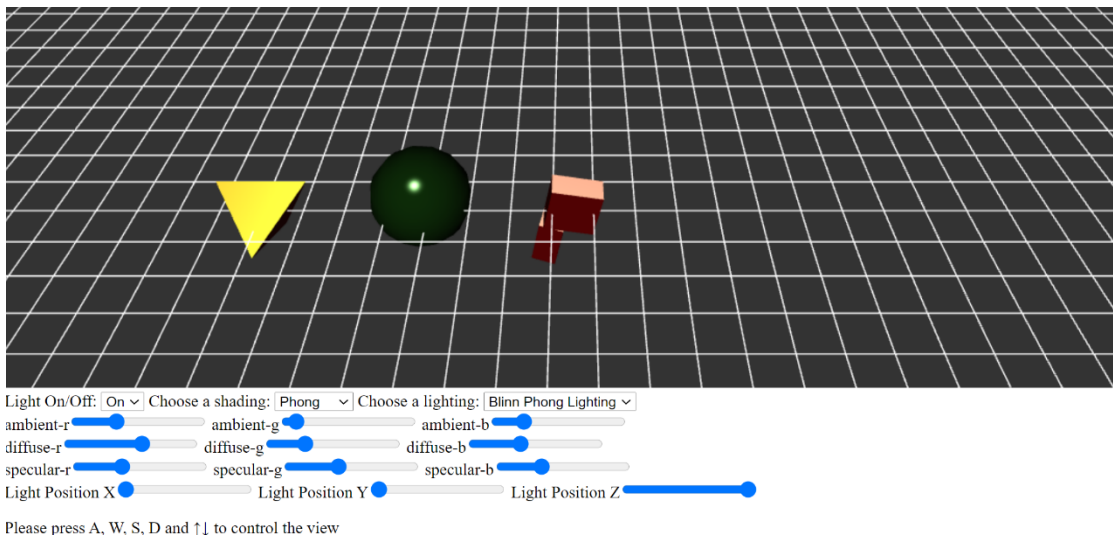
## Phong Shading with Blinn Phong Lighting



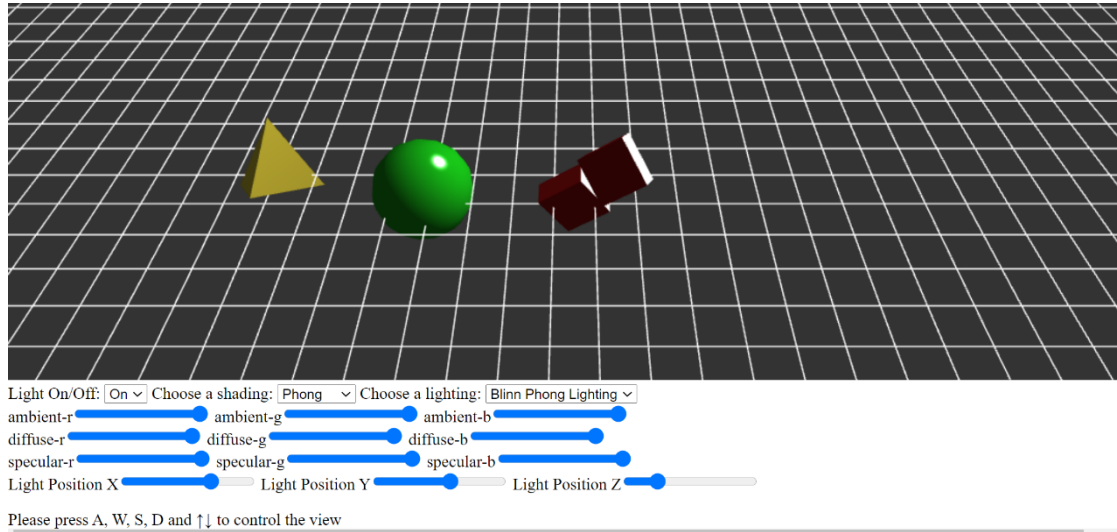
Light turned off:



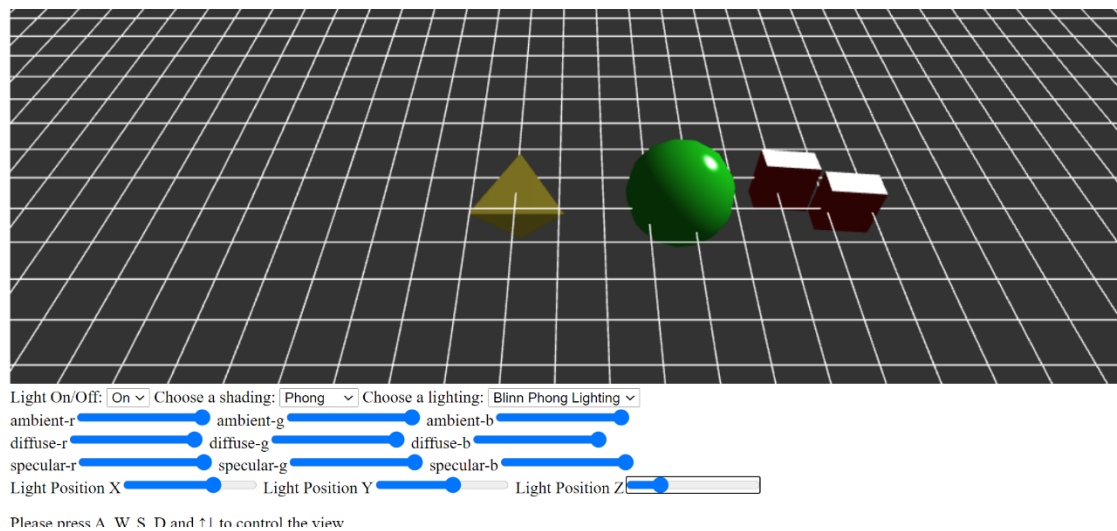
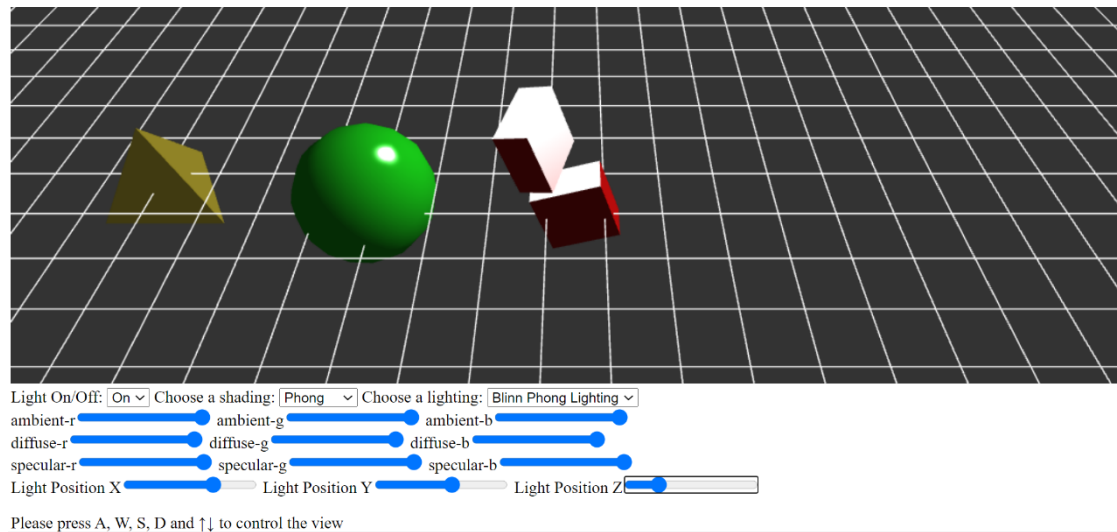
Switched the ambient, diffuse and specular rgb components:

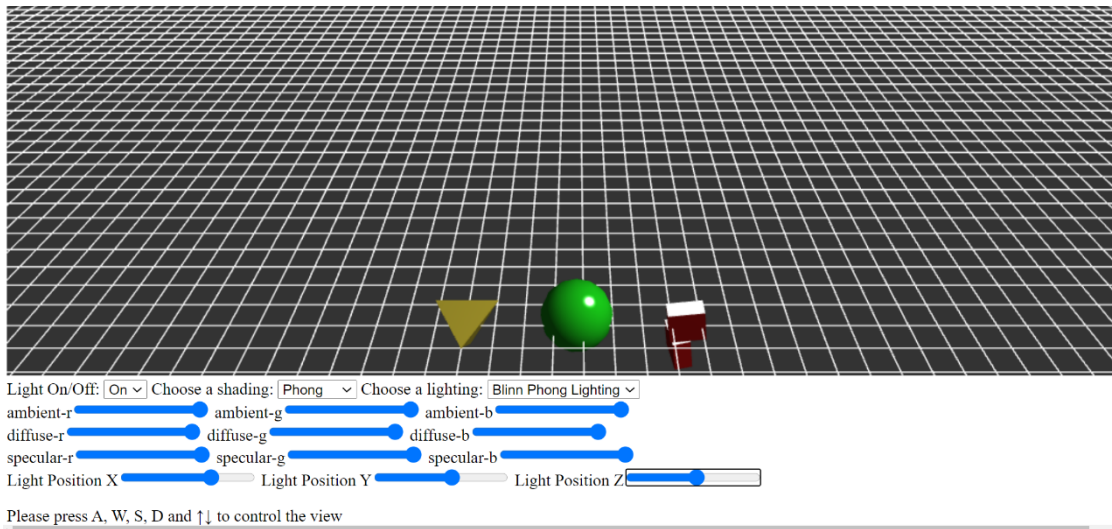


Switched the light position:



Changed the view position:





Scene Graph:

