ASSIGNMENT - 4

VULKAN FINAL ASSIGNMENT

MODEL URL: Porsche 911 GT2 Free 3D Model - .obj .max - Free3D (Doesn't require login)

GitHub: <u>COMP392 Advanced Graphics Assignments/Assignment 4 at main Plaban9/COMP392 Advanced Graphics Assignments</u>

```
void FirstApp::loadGameObjects()
{
    std::shared_ptr<LveModel> lveModel = LveModel::createModelFromFile(&: lveDevice, filepath: "Models/Porsche_911_GT2.obj");
    auto lve::LveGameObject porsche = LveGameObject::createGameObject();
    porsche.model = lveModel;
    porsche.transform.translation = { 0.25f, 0.0f, 2.5f };
    porsche.transform.scale = glm::vec3{ 0.5f };
    porsche.transform.rotation = glm::vec3{ glm::half_pi<float>() / 50.0f, glm::pi<float>() / 4.0f, glm::pi<float>() };
    gameObjects.push_back(_val: std::move(&_Arg: porsche));
}
```

Fig 1.1: Loading of Porsche 911 GT2 Test model in code

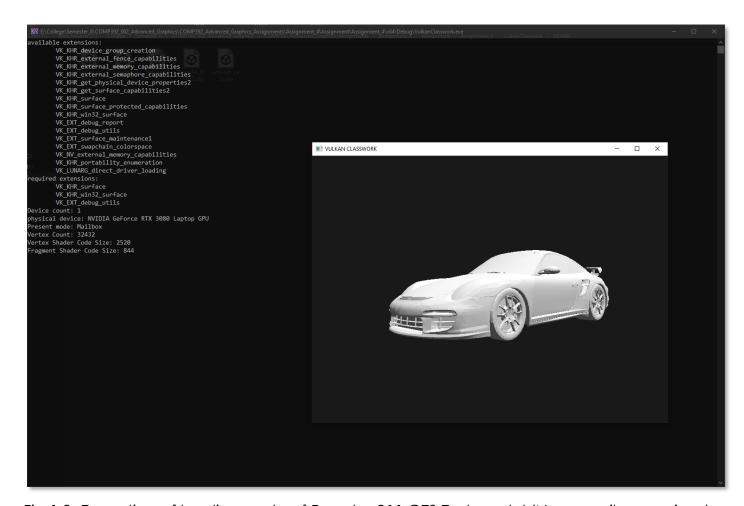


Fig 1.2: Execution of loading code of Porsche 911 GT2 Test model (No compiler warnings).

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Fig 1.3: Remapping of controls as per requirements with bonus controls.



Fig 1.4: Running after remapping of controls (No compiler warnings or errors).

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