**08025 Real-Time Graphics &**

**08975 C++ Programming and Design**

**Software Portfolio ACW**

**Report**

by

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Design Word Count: **[INSERT WORD COUNT HERE]**

Graphics Word Count: **[INSERT WORD COUNT HERE]**

Project Management Word Count: **[INSERT WORD COUNT HERE]**

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# Design

## Main Classes (Class Diagram)

## Supporting / Utility Classes (Class Diagram)

## Class Role Breakdown

## Class Interaction (Interaction Diagram)

## Critique of Design

### Merits

### Weaknesses

### Changes in Design

### Future Changes

# Graphics

## Algorithm Critique

### Geometry Presentation

### Shading and Lighting

### Shadow Generation

There was no shadow implementation.

### Particle System

There was no particle system implementation.

## Object-Graphics Relationship

## Update & Render

## Potential Extensibility

## Desired Cut Content

# Project Management

## Time Plan

## Development Methodology

# Parasoft

## OPT-03-2

## CODSTA-CPP-54-3

## CODSTA-CPP-77-3

## DXTK-specific Parasoft Concerns