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Denkleiers • Leading Minds • Dikgopolo tša Dihlalefi

DEPARTMENT OF COMPUTER SCIENCE

WHOOSH DIVISION

OcuViz - EpiUse Labs

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0.1 Vision

OcuViz is a way which is meant to revolutionize we as people view data. Instead of presenting users with either very large (or small) numbers which are hard to conceptualize, OcuViz aims to allow users via visual immersion of virtual reality (VR) to experience the visualization of data.

Instead of a monotone presentation of data via numbers and graphs, scenes will be created from the data which the user can explore. Utilizing the power of Oculus Rift specifically for VR.

OcuViz needs to be able to import models and data which is used in the generation of the scene as well as allow users to explore the scene.

0.2 Project Scope

0.2.1 Function Requirements

0.2.2 Additional Features

0.3 Architectural Requirements

0.3.1 Access and integration requirements

0.3.2 Quality requirements

Flexibility

Maintainability

Scalability

Performance requirements

Reliability

Security

Auditability

Testability

Usability

Integrability

Deployability

0.3.3 Architectural responsibilities

0.3.4 Architecture constraints

0.4 Architecture design?

Is this needed?? Subsections include: architectural tactics, architectural components addressing architectural responsibilities, infrastructure, concepts and constraints for application components

0.5 Initial Design