



Project Management and Software Development

# Dyna-Eye: A dynamic 2D-3D Stereo Viewer

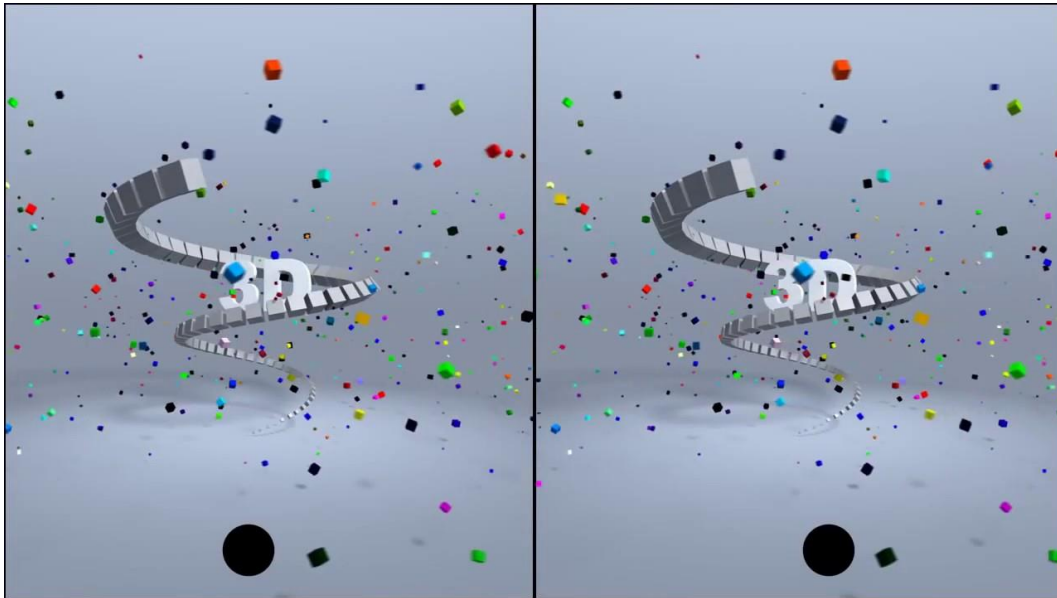
Intermediate Presentation – 07.12.2017

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Presented by: Ruiqi Gong

# Recap

- Stereo viewer with crossed eyes



[YouTube](#). "3D without glasses, Cross-Eye HD" (07.11.2017)



[Donald Simanek](#). "How to view 3D without glasses". (05.11.2017)

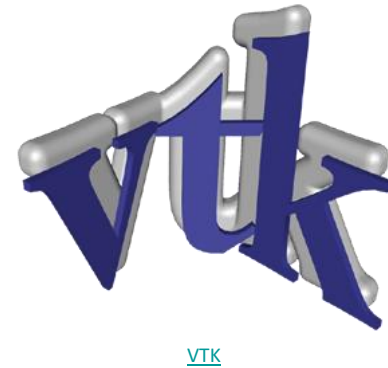
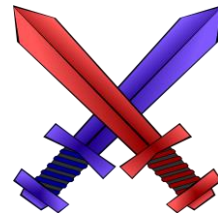
# Encountered obstacles

- Libraries Configuration



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- Unfamiliar Libraries and Building Tool



[CMake](https://cmake.org/)



# Encountered obstacles

- Libraries Configuration
  1. Upstream pre-built PCL incompatible with self-built VTK
  2. Don't need OpenCV at all...
- Unfamiliar Libraries and Building Tool
- Unexpected errors when porting and running reference code on Linux



# Progress

- All aforementioned problems solved
- Development environment configured and installed
- Gained knowledge of PCL and CMake
- Reference code ported, successfully compiled and running

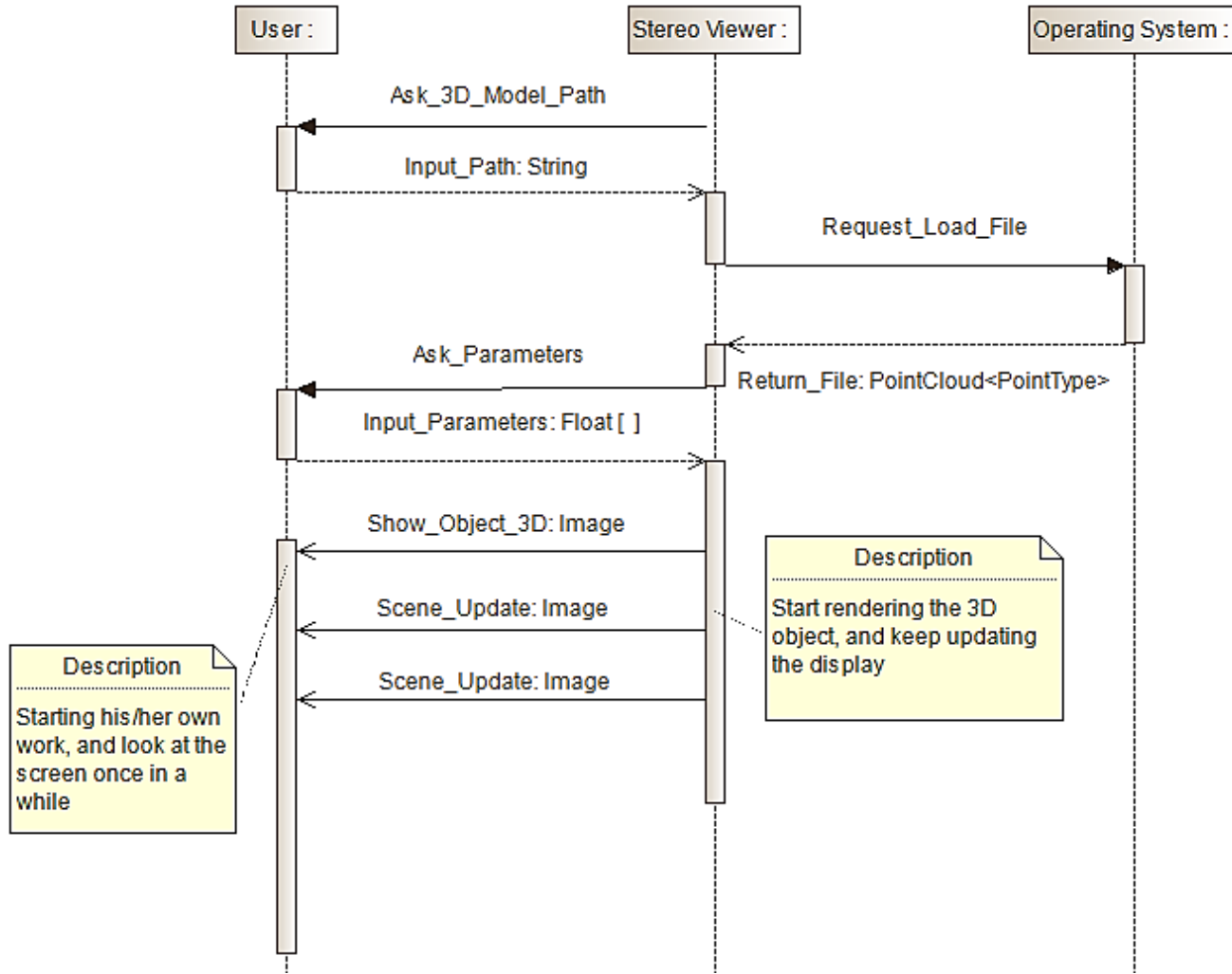
# Future Work

- Implement the math model
- Further discussion with the supervisor
- Choose appropriate 3D models
- Documentation

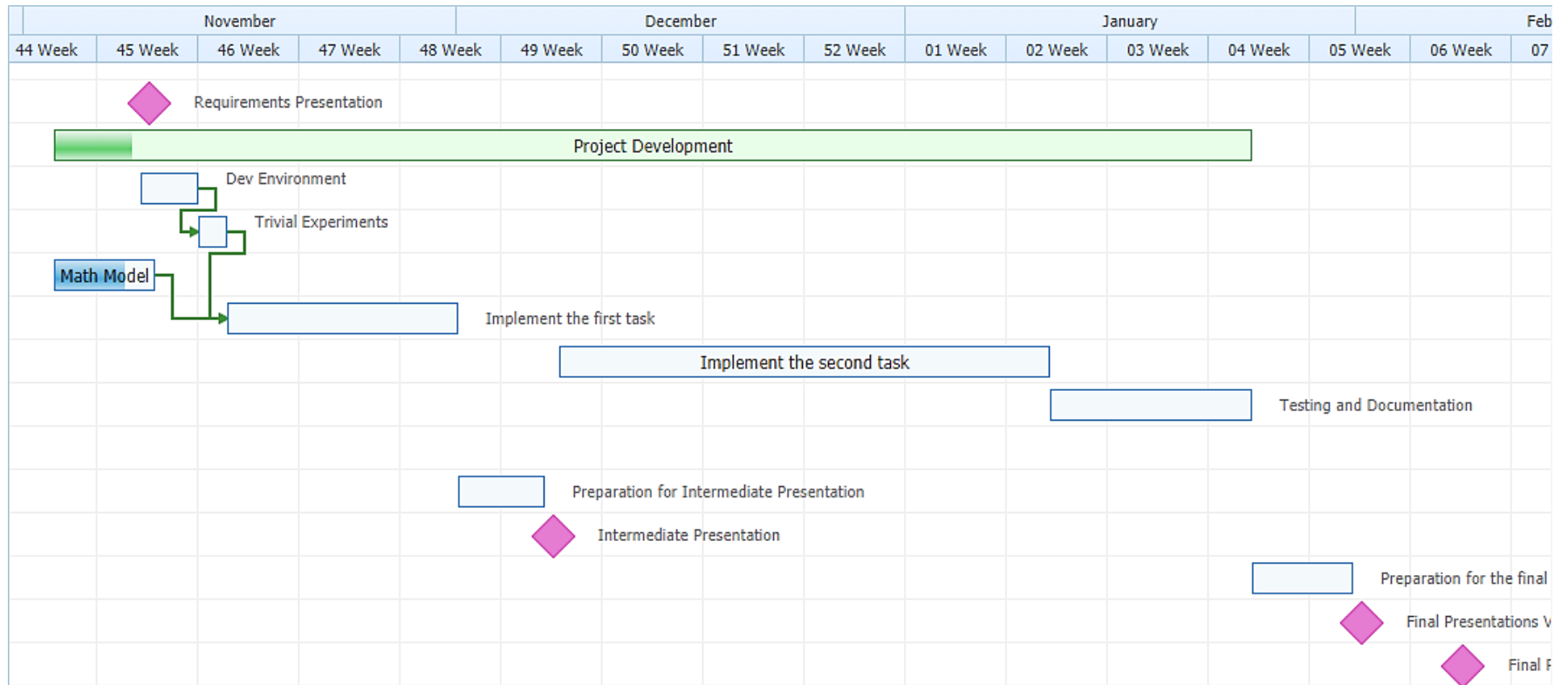




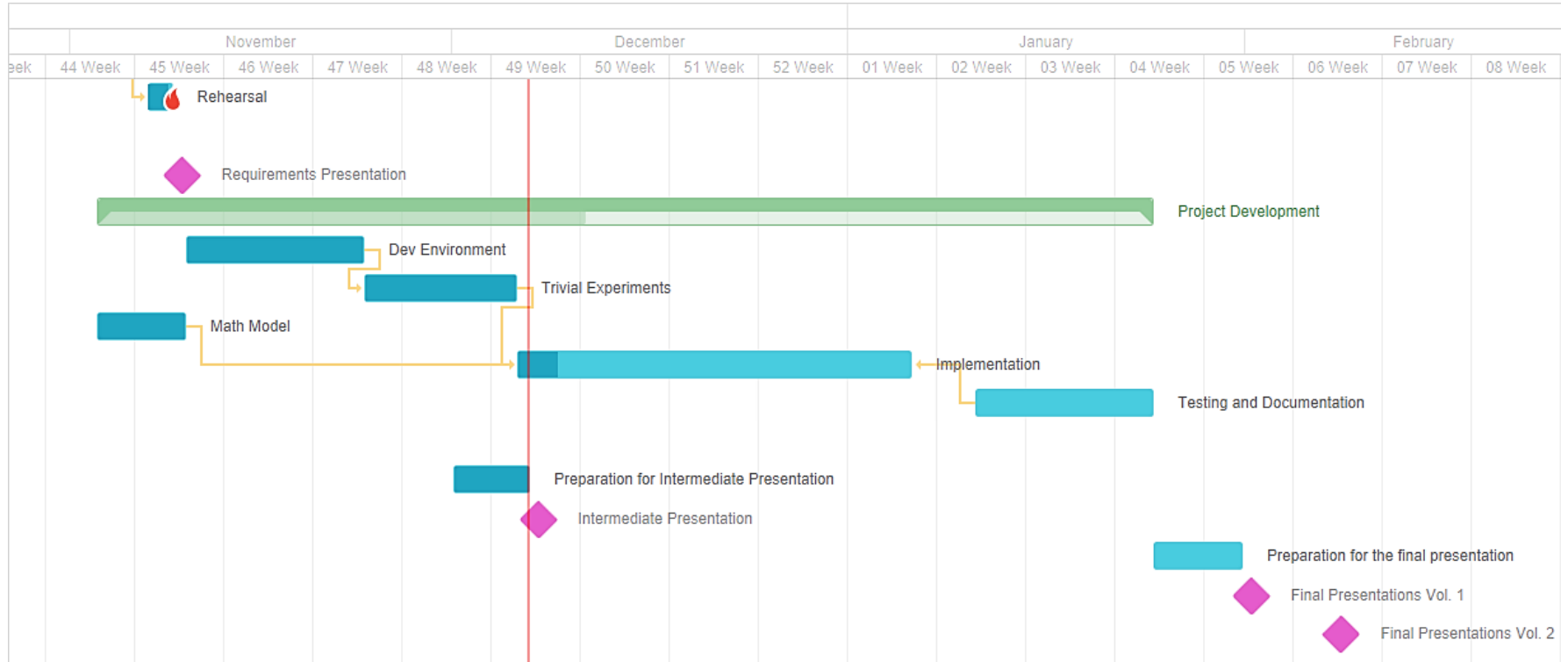
# UML Diagram



# Gantt Chart (old)



# Gantt Chart (Updated)





**Thank you for your attention.**

**Question?**