

SHAPES, SHAPES, AND MORE SHAPES

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This Week's Schedule

- LIT Review:
- **Increasing Diversity in K-12 Computer Science: Strategies from the Field**
- Fourth Assignment: Shapes Applet
- Trip to Raleigh: CSDT tutorial
- Dance Tool Project

LIT Review

Purpose: Lack of diversity in the field of computer science

- K-12
- College
- Professional Careers

Solution: Key requirements for computer science courses(K-12)

LIT Review

Evaluation:

- ◎ Multiple Perspectives
 - Computer Science Teacher in high school
 - Social Science Researcher: *Out of the Loop*
 - Director of several outreach programs

LIT Review

Future Work

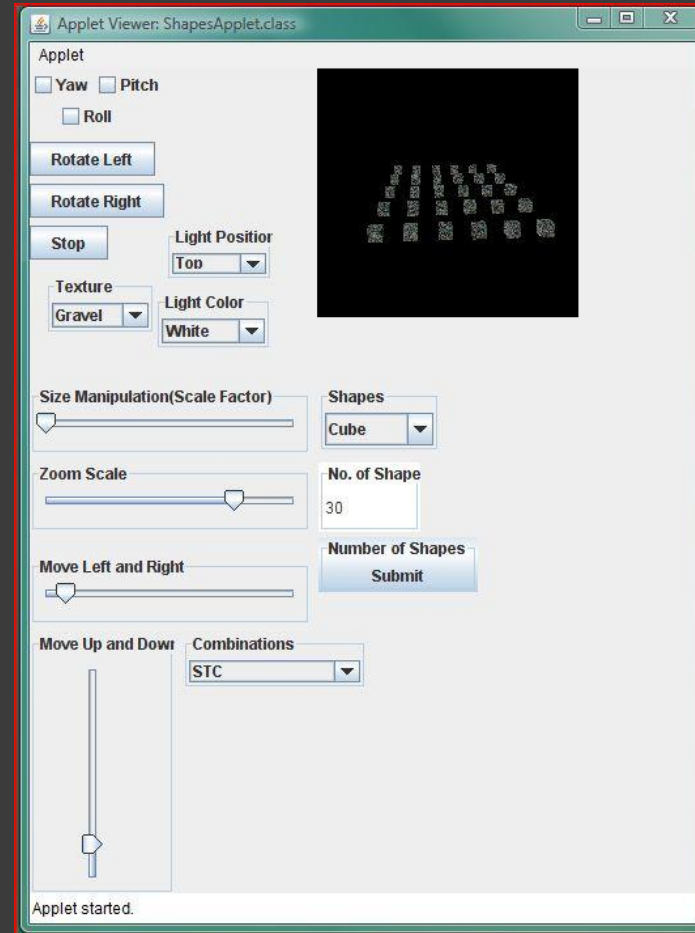
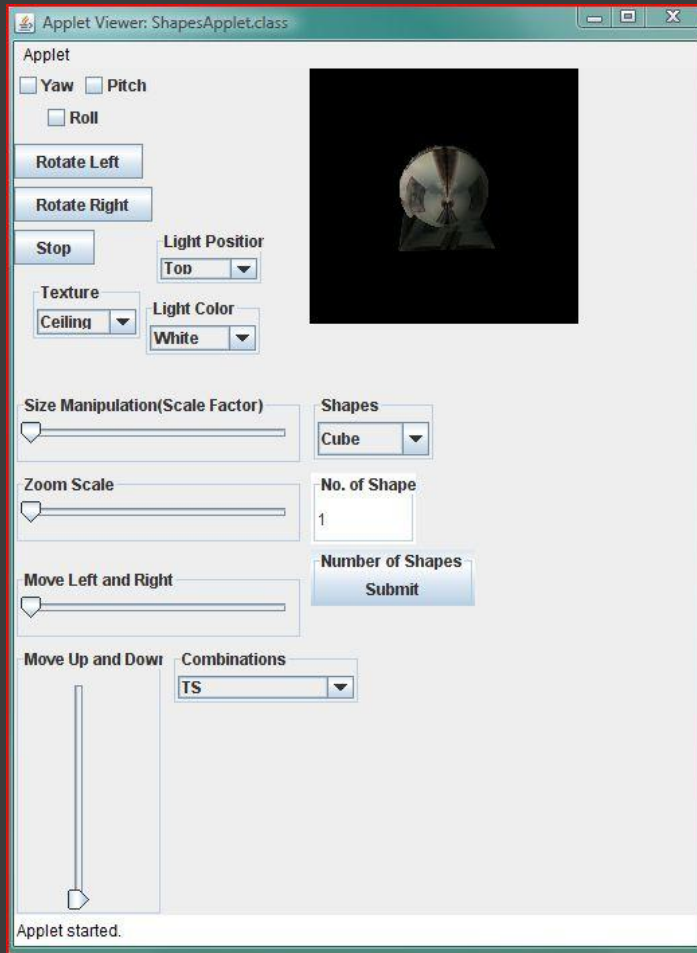
- ⦿ Ensuring CS Course Availability
- ⦿ Student Outreach Programs
- ⦿ Teacher Professional Development

LIT Review

Contributions

- ⦿ Addressing diversity issue
- ⦿ Giving Ideas of how to solve the problems

Shapes Applet



Shapes Applet

Problems:

- Sphere Rotation and Scale

Dance Tool Project

- Documentation



Next Week...

- ⦿ Integration of Shapes

- ⦿ Dance Tool

References

Goode, Joanna. (2008) Increasing Diversity in K-12 Computer Science: Strategies from the Field. *ACM J. Edu. Resources in Comput.*, Vol. 7, No. 3, Article 2 (2008), 10 pages.

Java OpenGL Demos with LWJGL.

<http://potatoland.com/code/gl/>. June 14, 2008.

OpenGL @ Lighthouse 3D.

<http://www.lighthouse3d.com/opengl/displaylists/index.php3?3>. June 15, 2008

Any Questions?

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Trip to Raleigh: CSDT tutorial

◎ Task: Assist students using the CSDT

<http://www.rpi.edu/~eglash/csdt.html>

◎ Overall Summary

- Students loved learning how to use the CSDTs
- I've learned more about CSDTs
- It was a great experience