

THOMAS JEFFERSON HIGH SCHOOL FOR SCIENCE AND TECHNOLOGY HALLWAY TRAFFIC SIMULATION

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2008-2009
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2nd QUARTER PROGRESS

I reprogrammed the code, made it a lot more organized, added hashes for events, separated the rooms and halls hashes, changed the data set, worked on the new search algorithm, began programming OpenGL to visualize the data.

-Currently, OpenGL only opens the window. I cannot get it to open the image of the schools.

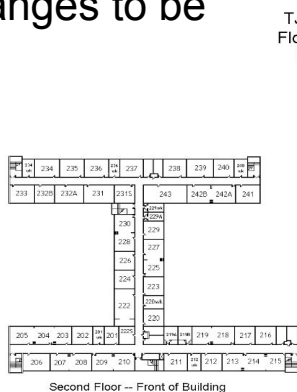
-The search algorithm does not work properly. This is primarily because the rooms and halls are now in two separated arrays. I began to solve this by adding 100 to each room and then running the program as if the room and hall data is one set. However, at this point, I had to stop to work on end of quarter stuff.

PURPOSE

- Create an accurate simulation of TJHSST hallways and traffic
- Visualize the simulation to increase accessibility and reach
- Analyze results of the simulation and modify conditions to ease congestion and improve movement

EXPECTED RESULTS

- Accurate data involving hallway movement
- A working model allowing possible changes to be simulated



TJHSST Floor Plan 2007

