



Coslough Harrison

Sophomore

Knoxville College; Knoxville, Tennessee

Major: Computer Science

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Program:

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Research Area: Computer Science

The purpose of the research project is to assist in the development of a computer system to simulate real world scenarios of terrorist attacks on industrial facilities, such as nuclear power plants. A virtual environment will be used to simulate these situations by using the Unreal ED software.

The purpose is to develop a program such that when a component is damaged within the lab, it will display on the HUD (Heads Up Display) and will show how much of the plant is still functional. Knowledge of scripting languages will be used to develop this program, and when successful, will be used by others.

Research Mentor:

Robert Sanders, Ph.D.

Modeling & Simulation

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