Kenroy Williamson
B.S. Florida A & M University 2006
Major: Computer Information Systems

Faculty Advisor:
Dr. Usha Chandra

Program:
Research Alliance in Math & Science

Email: williamsonkj@ornl.gov
Home: Kenroy_Williamson@hotmail.com

Research Area: Modeling and Simulation

The project aims to develop a software library for constructing the dynamic pieces of a traffic simulation. It is meant to complement a complete traffic modeling tool set that includes data import and export capabilities, traffic routing algorithms and visualization tools. This software library provides an abstract framework for constructing event driven models of traffic dynamics. The software is based on the DEVS modeling and simulation framework, and will be implemented using ADEVS discrete event simulation package.

Specific subtasks:
1. Design software to be built on the ADEVS framework
2. Implement the software as designed
3. Test the implementation

Research Mentor:

Dr. Jim Nutaro
865-241-1587
nutarojj@ornl.gov

Computational Sciences and Engineering, Oak Ridge National Laboratory