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Major: Computer Information Systems

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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 a devts discrete event simulation package.

Specific subtasks:

1. Design software allocated to a devts framework
2. Implement the software as designed
3. Test the implementation of the software

Research Mentor:

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