J e r e m y S c o t t
Research Associate
Visual Analytics, Modeling, and Simulation (VAMS
Institute for Transportation Research and Education
North Carolina State University
Centennial Campus, Box 8601
Raleigh, NC 27695-8601
tel: 919.515.7877   fax 919.515.8898
jscott@ncsu.edu

EDUCATION

North Carolina State University; Raleigh, N.C.
MS Mathematics - 2006
GIS (Graduate minor) - 2006

University of Wisconsin at Milwaukee
BS Mathematics and Physics - 2001

EXPERIENCE

Sept. 2006 – Present

Research Assistant
Visual Analytics, Modeling, and Simulation (VAMS)
Institute for Transportation Research and Education
NC State University; Raleigh, N.C.

I have been intimately involved in the creation of a student distribution model that was used to disaggregate a system-wide student population for Wake County Public schools to assist them in reducing student overcrowding. I have taught Introduction to GIS and Intermediate GIS workshops. I was involved in a research effort to determine the presence of oversize trucks outside the 3-mile buffer of the STAA truck network in the state of North Carolina. I am currently working on creating a statewide vulnerability index to determine those roads that are most vulnerable to overweight trucks. I perform spatial statistical analysis on statewide truck crashes.

Aug. 2004 – Sept. 2006

Teaching Assistant
Operations Research and Education Laboratory (OR/Ed. Lab)
Institute for Transportation Research and Education
NC State University; Raleigh, N.C.

I was responsible for obtaining GIS data to be used in projects for countywide school districts. I geocoded student datasets, performed residential analysis, created planning segments and used other general GIS geoprocessing tools.

Aug. 2001 – Aug. 2004	**Teaching Assistant, Mathematics Department** NC State University; Raleigh, N.C. I taught Pre-calculus Algebra and Trigonometry, and Mathematics of Finance. I was responsible for designing course lectures and exams to be consistent with department standards.

COMPUTER SKILLS

ArcGIS 9.x; Python; SAS; MATLAB, C++; Visual Basic; Maple; R; Microsoft Office Suite