Eric Conklin

Developer– Albany Visualization and Informatics Lab (AVAIL)

Eric Conklin joined the AVAIL team in fall of 2013 as a computer science graduate student and full-time staff in December 2014 as a Data Science Programmer. His work at AVAIL includes mapping and visualizing the Highway Performance Monitoring System (HPMS) and National Performance Management Research Data Set (NPMRDS).

Education

- M.S. Computer Science
  University at Albany, Albany, NY, 2014
- B.S. Computer Science & Applied Mathematics
  University at Albany, Albany, NY, 2013
- A.S. Computer Science, Cayuga Community
  College, Auburn, NY, 2011

Professional Highlights

- Data Science Developer, AVAIL, University at Albany, NY, 2014-present
- Teacher's Assistant for Advanced Programming Concepts, University at Albany, NY, 2014
- Teacher's Assistant for Computational Theory, University at Albany, NY, 2012-2013

Related Projects

Web-based NPMRDS Congestion and Performance Measurement Dashboard - NYSDOT

Mr. Conklin is Chief Developer on the New York State Department of Transportation project to employ the National Performance Management Research Data Set (NPMRDS) for Metropolitan Planning Organization (MPO) staff to identify transportation bottlenecks.

Mr. Conklin's understanding of the nuances of the datasets (NPMRDS), especially mapping data onto TMCs and the associated challenges and strategies, have propelled AVAIL to the forefront of the congestion performance measurement field.

Traffic Data Analytics –Federal Highways Administration Pooled Fund Study

Mr. Conklin was a developer on the Federal Highway Administration Pooled Fund Study for six state DOTs (Connecticut, Ohio, Pennsylvania, Texas, North Carolina and Michigan) to develop a web-based traffic analytics data administration module. The data administration module is an all-inclusive transportation data visualization software suite focusing on continuous counts data, WIM and HPMS. As contractor, AVAIL was tasked with developing a meaningful methodology for interpreting automatic traffic recorder data. Their effort combines data acquisition, reconciliation, and management into a multi-platform, web-based data visualization and reporting tool.