

CORY J. HOGAN

TUV RHEINLAND RAIL SCIENCES, INC.

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EDUCATION

<i>M.S., University of Nebraska, Lincoln, Nebraska</i> Mechanical Engineering	2007
<i>B.S., University of Nebraska, Lincoln Nebraska</i> Mechanical Engineering	2005
<i>B.A., Nebraska Wesleyan University, Lincoln, Nebraska</i> Spanish	2002

WORK EXPERIENCE

TUV RHEINLAND RAIL SCIENCES INC., Omaha, Nebraska 2007 – 2014

Mechanical Engineer

Provide consultation services in the areas of material failure and characterization, machine and systems design and computer modeling analysis for the leading derailment investigation and analysis firm in the world. Simulate train vehicle dynamics using VAMPIRE®. Carry out materials testing and failure analysis Use computer programming to analyze and process simulation data. Translate documents to and from Spanish. Sales and support for VAMPIRE software in North America.

VAMPIRE® Software North American Representative

Sales and support director for VAMPIRE® vehicle dynamics software in North America

Spanish Translator

Work with Spanish speaking clientele. Produce reports in Spanish. Translate documents to and from Spanish.

UNIVERSITY OF NEBRASKA - LINCOLN, Lincoln, Nebraska

Mechanical Engineering & Robotics Lab, Research Assistant 2006 - 2007

Carried out design and testing work on vision based track measurement system for FRA project. Setup and ran over the road tests and data acquisition for track deflection measurement. Processed measurement data for reporting to railway departments. Designed components to be used in track deflection measurement system Processed data through mathematical modeling to be used in vehicle computer simulations

COMPUTER SKILLS

Solid Works, Microsoft Visual C++, Matlab, Simulink, MS Office, FORTRAN, VBA, VAMPIRE®.