

PROFESSIONAL EXPERIENCE

2009 - Present VECTOR SCIENTIFIC, INC. - GOLDEN, COLORADO

Engineer

- Accident reconstruction, site inspection/surveying, vehicle inspection, vehicle digitization, photography, photogrammetry and video when applicable
- Analysis of computer simulations, modeling and case specific demonstrations

2005-2009 M. P. HOLCOMB ENGINEERING CORP. - ORION, MICHIGAN

Staff Engineer

- Performed reconstructions of various types of automobile related accidents
- Completed investigations of accident vehicle(s) and crash site
- Digitized vehicle(s) and surveyed crash site when necessary
- Assisted with vehicle and component testing
- Researched effectiveness of future crash avoidance and injury reduction systems on belted occupants using *National Automotive Sampling System (NASS)* database
- Gained knowledge in many *Federal Motor Vehicle Safety Standards (FMVSS)*

2004 M. P. HOLCOMB ENGINEERING CORP. - ROCHESTER HILLS, MICHIGAN

Engineering Intern

- Assisted testifying expert with inspections of accident vehicle(s) and crash site
- Supported consultant with product testing and data processing
- Digitized subject and exemplar vehicles utilizing a *FaroArm*
- Created 3-dimensional scaled computer vehicle models

2003 M. P. HOLCOMB ENGINEERING CORP. - ROCHESTER HILLS, MICHIGAN

Engineering Co-op

- Worked on testifying expert's support team assisting in reconstructing various types of automobile accidents
- Prepared exhibits for use at deposition(s) and in trial

PROFESSIONAL AFFILIATIONS

Society of Automotive Engineers (SAE)
Southwestern Association of Technical Accident Investigators (SATAI)