

# ADAM M. OLSHOVE, P.E., M.S.E.

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## I. LICENSES AND AFFILIATIONS

Registered Mechanical Professional Engineer (P.E.), State of Michigan, No. 6201069770  
American Society of Mechanical Engineers, Metro Detroit Section, Member No. 000103514373  
National Society of Professional Engineers, Detroit Metro Chapter, Member No. 300816716  
American Society for Testing & Materials, F15 Committee Participating Member, No. 2272937  
American Society of Safety Professionals, Member No. 010166980

## II. PROFESSIONAL EXPERIENCE

**J.M. Miller Engineering, Inc.** **2012 – Present**  
*Managing Engineer* Ann Arbor, MI

Engineering consulting relative to design, safety, and human factors issues relating to accidents, injuries, and industrial & consumer products. Conduct product hazard analyses and evaluate safety manuals, instructions, and warning labels. Reconstruct accident scenarios using principles of engineering and physics, and multiple forms of media. Clients include legal professionals, insurance, and industry.

**RheTech, Inc. / Michigan Department of Environmental Quality** **July – September 2011**  
*Economy, Energy, and Environment (E3) Program* Whitmore Lake, MI

Identified cost and energy reducing projects to be implemented in a small plastic resin manufacturing facility. Collaborated with contractors and suppliers to determine project design parameters and establish timeline specifications. Successfully slated all projects for completion with an estimated return on investment period of 1.2 years.

**Caterpillar, Inc.** **January – April 2011**  
*Product Development/Engineering* Peoria, IL

Performed design verification tests on new sensors and developed standardized test documentation and safety procedures. Analyzed field failures through test data and dissection. Identified and solved design problems in current products and assisted in the introduction of new products.

**University of Michigan Composite Structures Laboratory** **2009 – 2010**  
*Research Assistant (Advisor: Dr. Anthony Waas)* Ann Arbor, MI

Designed, constructed, operated, and developed test protocol for a small-scale modified shock tube testing apparatus. Calibrated two high-speed cameras to extract multi-axial high-rate strains from exploding

polymer-ceramic composite films. Mentored and instructed other undergraduate researchers with regard to lab safety, tasks, and techniques.

**University of Michigan Math Lab**

**2009-2013**

*Tutor & Proctor*

Ann Arbor, MI

Tutored undergraduate students in calculus I thru IV, linear algebra, and advanced statistics and probability. Instructed students individually as well as in small group settings. Proctored out of classroom tests for introductory math courses.

### III. EDUCATION

**M.S.E. in Mechanical Engineering, University of Michigan – Ann Arbor**

**2019**

- 4.00/4.00 Major & Cumulative GPA
- *Selected Coursework:* Battery Systems and Control; Modeling Dynamic Systems (Bond Graph Theory); Design of Digital Control Systems; Vehicle Dynamics and Automation; Computer Vision; Vehicle Control Systems; Self-Driving Cars: Perception and Control.

**B.S.E in Mechanical Engineering, University of Michigan – Ann Arbor**

**2012**

- 3.76/4.00 Major GPA; 3.81/4.00 Cumulative GPA (Summa Cum Laude)
- Dean's List (6 semesters); University Honors (4 semesters)
- *Selected Coursework:* Modeling, Analysis, and Control of Dynamic Systems; Automatic Control; Dynamics and Vibrations; Electrical Circuits, Systems and Applications; Advanced Energy Solutions; Internal Combustion Engines; Thermodynamics; Fluid Mechanics; Heat Transfer; Mechanical Behavior of Materials; Design and Manufacturing I, II, & III; Laboratory I & II; Solid Mechanics; Manufacturing Processes; Engineering Design; Computers and Programming.

### IV. TESTIMONY AND REPORTS SUBMITTED (LITIGATION)

**Restore Royal Oak, LLC v. CTRE, P.C., et al.**

**August 2023**

Expert Affidavit. Professional Engineer stamping/sealing of HVAC construction documents. Michigan

**Madsen v. Asmodus, Inc., et al.**

**June 2023**

Expert Report. Thermal runaway of lithium ion battery in e-cigarette/vape.

Arizona

**Insurance Inspection Report**

**May 2023**

Inspection Report. Layer poultry farm ventilation fan involved in accidental amputation. South Dakota

**Glover v. Rheem, et al.**

**December 2022**

Supplemental Expert Testing Report. Calibration testing of meat thermometer.

Michigan

**Lopus v. Bay City Lodging**

**October 2022**

Expert Report and Deposition Testimony. Slip and fall on painted sidewalk at hotel.

Michigan

<b>Scotto-DiVetta v. Kwaske</b> Expert Trial Testimony. Water drainage in residential back yard.	<b>October 2022</b> Michigan
<b>Branch v. Allegiant Nonstop, et al.</b> Expert Deposition Testimony. Tip-over of Spinner Frenzy arcade machine.	<b>June 2022</b> Michigan
<b>Branch v. Allegiant Nonstop, et al.</b> Expert Report. Tip-over of Spinner Frenzy arcade machine.	<b>April 2022</b> Michigan
<b>Bishai v. Kona Grill</b> Inspection Report. Commercial forced air heating unit involved in burn injury.	<b>March 2022</b> Michigan
<b>Muster-Reaume v. Orow Construction</b> Expert Report. Residential gutter-downspout system involved in basement flooding.	<b>February 2022</b> Michigan
<b>Scotto-DiVetta v. Kwaske</b> Expert Deposition Testimony. Water drainage in residential back yard.	<b>January 2022</b> Michigan
<b>Scotto-DiVetta v. Kwaske</b> Expert Report. Water drainage in residential back yard.	<b>October 2021</b> Michigan
<b>Watson v. Walmart</b> Expert Report. Water accumulation under floor mat at retail store.	<b>September 2021</b> Michigan
<b>Branch v. Allegiant Nonstop, et al.</b> Inspection Report. Tip-over of arcade machine.	<b>July 2021</b> Michigan
<b>Smith v. Ford Building Rino</b> Expert Report. Sudden fatigue fracture of office chair support cylinder.	<b>October 2020</b> Michigan
<b>Insurance Inspection Report</b> Inspection Report. Seed treater at farm supply co-op involved in entanglement accident.	<b>April 2020</b> South Dakota
<b>Stensland v. Cavallo Bus Lines</b> Inspection Report. Inadvertent de-activation of commercial bus master power switch.	<b>April 2019</b> South Dakota
<b>Nicholson v. Dolium, et al.</b> Expert Report. Explosion of plastic beer keg.	<b>September 2018</b> Nevada
<b>Kitchen v. Kappen</b> Expert Report. Failure of tractor parking brake.	<b>August 2016</b> Michigan
<b>Caldwell v. Andrick, et al.</b> Inspection Report. Rear rollover of tractor.	<b>December 2014</b> Michigan

**V. ON-SITE INSPECTIONS (LITIGATION & INSURANCE)**

<b>Castillo v. Vista Manufacturing, Inc., et al.</b> Inspection of rotary laminator involved in manual feeding nip point incident.	<b>July 2023</b> Michigan
<b>Taylor v. Outlaw Pass LLC</b> Inspection of go-kart, track, and remote control system involved in collision.	<b>July 2023</b> Texas
<b>Insurance Inspection</b> Inspection of layer poultry farm ventilation fan involved in accidental amputation.	<b>March 2023</b> South Dakota
<b>Sanchez v. Northern Tool &amp; Equipment, et al.</b> Two inspections and testing of portable generator fuel system involved in fire.	<b>August 2022</b> Texas, Florida
<b>Shields v. Pinnacle Manufacturing</b> Inspection of commercial vacuum container unit involved in pressurized failure.	<b>June 2022</b> Indiana
<b>Andrews v. Henry Ford Health System</b> Inspection and testing of hospital bathroom floor tiles involved in slip and fall.	<b>April 2022</b> Michigan
<b>Bishai v. Kona Grill</b> Testing of commercial forced air heating unit involved in burn injury.	<b>March 2022</b> Michigan
<b>Muster-Reaume v. Orow Construction</b> Inspection of residential gutter-downspout system involved in basement flooding.	<b>February 2022</b> Michigan
<b>Bishai v. Kona Grill</b> Inspection of commercial forced air heating unit involved in burn injury.	<b>January 2022</b> Michigan
<b>Branch v. Allegiant Nonstop, et al.</b> Inspection and testing of exemplar arcade machine involved in tip-over accident.	<b>November 2021</b> Michigan
<b>McPartlin v. RK and R&amp;N</b> Inspection of commercial truck lot water downspout system involved in slip and fall on ice.	<b>August 2021</b> Michigan
<b>Watson v. Walmart</b> Inspection and testing of floor mat and tiles at retail store involved in slip and fall.	<b>August 2021</b> Michigan
<b>Scotto-DiVetta v. Kwaske</b> Inspection of residential property water drainage involved in buyer-seller dispute.	<b>March 2021</b> Michigan
<b>Pioneer, et al. v. 20 Fulton Street East, et al.</b> Inspection and testing of high-rise apartment entry doors and locking mechanisms.	<b>October 2020</b> Michigan

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<b>Bortell v. Dynamic Pools and Spas</b> Inspection of residential in-ground pool surface cracking involved in buyer-seller dispute.	<b>October 2020</b> Michigan
<b>Kolk v. Stricker, et al.</b> Inspection of residential deck and guardrail system involved in fall from height.	<b>September 2020</b> Michigan
<b>Branch v. Allegiant Nonstop, et al.</b> Inspection of arcade and testing of subject arcade machine involved in tip-over.	<b>August 2020</b> Michigan
<b>Lopus v. Bay City Lodging</b> Inspection and testing of painted sidewalk surface at hotel involved in slip and fall.	<b>June 2020</b> Michigan
<b>El-Jamaly v. Kirco-Mannix Construction, et al.</b> Inspection of overhead power lines and concrete finishing tools involved in electrocution.	<b>March 2020</b> Michigan
<b>Reimer v. Construction Contract Group, et al.</b> Inspection of sink water lines and connection components involved in home flooding.	<b>March 2020</b> Michigan
<b>Insurance Inspection</b> Inspection of seed treater at farm supply co-op involved in entanglement.	<b>March 2020</b> South Dakota
<b>Bullimore v. Kansas City Power &amp; Light Company</b> Inspection of coal-fired power station involved in whistleblower OSHA violation claims.	<b>February 2020</b> Missouri
<b>Ditterline v. Hamilton County Coal</b> Inspection of hydraulic airlock doors involved in crushed-by accident in coal mine.	<b>January 2020</b> Illinois
<b>Reitter v. Navien</b> Inspection of instant-on water heater involved in carbon monoxide poisoning.	<b>October 2019</b> Ohio
<b>Stewart v. Byron Township Motel</b> Inspection of hotel room floor and door threshold involved in trip and fall.	<b>July 2019</b> Michigan
<b>Pansier v. Deere &amp; Company, et al.</b> Inspection of dairy farm manure pit and tractors/scrapers involved in rollover.	<b>November 2018</b> Wisconsin
<b>Navarro v. Island Rafts and Toys, et al.</b> Inspection and testing of recreational foam mat and public beach involved in neck injury.	<b>September 2018</b> Michigan
<b>Stensland v. Cavallo Bus Lines</b> Inspection of commercial bus control panel involved in highway vehicle collision.	<b>July 2018</b> South Dakota
<b>Kitchen v. Kappen</b> Inspection and testing of tractor and parking brake involved in runaway.	<b>April 2016</b> Michigan

**Lobo v. Ninja Jump, et al.**

Inspection of inflatable bouncy boxing ring involved in traumatic head injury.

**July 2015**

Texas

**Insurance Inspection**

Inspection of residential plastic piping system involved in apartment building flooding.

**April 2015**

Michigan

**Caldwell v. Andrick, et al.**

Inspection of tractor and custom towing implement involved in rear rollover.

**November 2014**

Michigan

**Bruce v. CAV International**

Inspection and testing of aircraft belt loader handrail system involved in fall from height.

**January 2014**

New York

**Prieur v. Culver Excavating**

Inspection and testing of back-hoe involved in struck-by incident.

**March 2013**

Michigan