DESIGN RESEARCH ENGINEERING
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Edward Schatz
Project Engineer

Professional Specialization

Test equipment and systems in laboratory and field environment using electronic data collection. Anthropomorphic Test Device (ATD) and high-speed camera setup for impact / system / component testing. Maintain, calibrate and design, install and test electronic equipment and instrumentation for field and laboratory testing. Electronic equipment and instrumentation used in a wide range of test applications, including on-road and off-road vehicles, motorcycles, and water vessels. Perform land and vehicle surveys for accident reconstruction.

Professional Background

B.S. Engineering Technology, Lawrence Technological University, 2013
A.A.S. Computer Hardware Engineering Technology, Oakland Community College, 1999
A.A.S Electronics Technology, Oakland Community College, 1998
Certified Automotive Electrical System Technician, Michigan Secretary of State

Project Engineer
Design Research Engineering, 2019 - present
Test Engineer
Design Research Engineering, 2013 - 2019
Electronic Technician / Senior Technician
Design Research Engineering, 1997 - 2013

Advanced Training

Using 3D Laser Scanners and Drones to Document Crash Scenes, FARO, 2021.
Staged Boat Collisions, National Association of State Boating Law Administrators, 2007, 2008, 2009.
Strain Gage Installation and Measurement Technique, Micro-Measurements (Measurements Group, Inc.) Raleigh, NC, April 1999.

Honors and Awards

Magna Cum Laude, Lawrence Technological University
Magna Cum Laude, Oakland Community College

Publication

"Focus Headform Testing Used to Evaluate Head Injury Risk for Ejected Riders of Personal Watercraft," Proceedings of the International Mechanical Engineering Congress and Exposition (IMECE), November 2017, Tampa, Florida (with C. Mkandawire, N.A. White, and E. Winkel); American Society of Mechanical Engineers, IMECE 2017-72676-V014T14A019, published January 10, 2018.