Nolan Gora, B.S. Mechanical Engineering

Accident Reconstruction Engineer

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BREIF SUMMARY OF EDUCATION AND RELATIVE EXPERIENCE

Mr. Gora is an accident reconstruction engineer at Fischer Forensic Engineering and is a degreed Mechanical Engineer from North Dakota State University. Mr. Gora has recently contributed to various areas including vehicular accident reconstruction and investigation, roadway geometry design, traffic engineering and operations, traffic control systems, human decision-making and risk assessment, and work zone safety standards. Included in Mr. Gora's professional experience is the performance and correct operation of; on and off-road motorcycles, bicycles, commercial vehicles, all-terrain vehicles (ATV), marine and personal watercraft (PWC).

Areas of Specialization

Accident Reconstruction/Investigation
Traffic Engineering/Geometric Analysis
Materials and Fatigue Analysis
Work Zone Standardizations
Risk Research and Analysis
Roadside Analysis
Vehicle Crush Analysis
Vehicle Module Downloads

Education

Bachelors of Mechanical Engineering
North Dakota State University, 2024

Emphasis: Mechanical Design

Professional Affiliations

Society of Automotive Engineers (SAE)

Positions Held

Fischer Forensic Engineering
Cape Coral, Florida
Accident Reconstruction Engineer
2025- present

Polaris Inc.
Wyoming, Minnesota
Core Engineering Intern 2024 - 2024

Appareo Systems
Fargo, North Dakota
Product Design Intern 2023 – 2023

Geotek
Stewartville, Minnesota
Manufacturing Engineering Intern 2022 - 2022

Continuing Education

IPTM - Bosch CDR Tool Technician Training
The Pilot Institute - UAS Part 107 Training

Representative Projects

Mr. Gora has reported and analyzed a variety of projects including but not limited to the following investigative processes;

Accident Reconstruction
Time and Distance Relative Analysis
Driver Decision / Perception-Reaction Time Studies
Vehicle Crush / Momentum Analysis
Vehicle Safety Systems integration – auto braking/recognition
Pedestrian Impact / Launch-Slide Studies
Bicycle Facility Design / Rider-active Dynamic Analysis
Bicycle/Pedestrian Conspicuity
Vehicle Dynamics
Crash Worthiness / Testing
Photogrammetric Analysis
Sight Distance Calculations
Roadway Geometric Studies
Impairment / Distraction Studies
Motorcycle Design / Operation
Vehicle Handling / Stability
Vision Obstruction
Traffic Signalization Synchronization
Parking Lot Design / Standards
Roadside Drop-Offs / Critical Slope
Barrier Impact / Warrant
Roadway Signage / Markings

Licenses and Certificates:

ATV/SVIA Rider Certificate

FAA UAG Certificate

NavVis MLX and VLX Certificate