

Credentials

Professional Engineer

Connecticut License # 21183 New Jersey License #GE43214

Certification and Ratings

Certified Master Automobile Technician

Automotive Service Excellence (ASE)

(Also certified by ASE in Auto Advanced Level Engine Performance)

Certified by Mechanics Education Association in:

GM Port Fuel Injection & Distributorless Ignition Systems

GM Computerized Carburetor Controls & Throttle Body Fuel injection Systems

R-12 Refrigerant Recovery and Recycling

Ford Electronic Engine Control Systems

Chrysler Computerized Engine Controls

Education

Bachelor of Science in Mechanical Engineering

Stevens Institute of Technology, 1978

Continuing Education through programs offered by Mechanics Education Association and Superior Court of New Jersey. Also:

Symposium on Metrology of Pedestrian Locomotion and Slip Resistance - American Society for Testing and Materials (ASTM)

Professional Service Positions

Technical Hotline Advisor - Mechanics Education Association. Serve as online troubleshooter to members for assistance in diagnosing customer vehicles.

ASTM Committee F13: Safety and Traction for Footwear

Public Service Positions

Mediator for Superior Court Complementary Dispute Resolution program

Relevant Information

Team Engineer and Technical Advisor for stock car racing team.

Areas of Concentration

Mechanical engineering
Automotive accidents
Mechanical failure analysis
Automotive codes & standards
Automotive repair shop practices
Automotive trade practices
Vehicle design/defects
Vehicle dynamics

Building codes & standards
Product defects/liability
Heating equipment
Building mechanical systems
Air conditioning equipment
Construction equipment
Lawn & garden equipment
Portable power tools

Specific Experience & Interests

Seatbelts
Airbags
Low-speed impacts
Speed analysis/determination
Tow trucks
Fuel systems
Antilock brake systems
Engine failures
Automotive electronics
Mopeds
Offroad vehicles
All-terrain vehicles
Motorcycles
Sudden acceleration
Staged/fraudulent claims
Towing procedures
Nhtsa recalls
Cooling systems
Ignition systems
Four-wheel drive vehicles
Fuel systems
Forklifts
Hydraulic jacks

Warning, guarding & labels
Pipe & plumbing leaks
Oil burners - puffbacks
Furnaces
Gas-fired equipment
Refrigeration equipment
Residential hvac systems
Commercial hvac systems
Residential construction
Chimneys
Slips, trips and falls
Carnival and amusement rides
Tractors
Lawn mowers
Loaders & backhoes
Power saws
Mixers
Dot regulations
Fmvss regulations
Steering systems
Vehicle fires & explosions
Wheels & tires
Axles

Professional Experience

Institute for Products, Engineering & Construction **2000 to Present**

Consulting and forensic engineering services for attorneys and insurance companies. Projects involve the discipline of mechanical engineering and address automotive design, defects and safety, vehicular accident analysis, vehicle repair shop practices and trade practices concerning automotive sales, service and repair.

Consulting Engineer **1998 to Present**

Automotive systems failure analysis, product failure/liability and defect analysis, vehicle examinations, improper repair procedures, seat belt/air bag/ABS brake failures.

L & P Custom Builders **1994 - 1995**

Direct and manage General Contracting firm engaging in custom homebuilding, renovations and additions. Responsibilities included preparation of proposals and plans, coordinating subcontractors and building inspections.

B&G Auto Service **1982 - 1998**

Manage an automotive fueling, service and repair facility providing repairs and scheduled service to customer-owned vehicles. Supervise technicians and attendants, schedule service procedures, establish continuing education for technicians, coordinate acquisition of real estate and development or property, towing and recovery service for local police department.

Omega Engineering **1978 - 1982**

Senior Application Engineer. Serve as specialist in temperature measurement and control devices for firm engaging in product engineering and prototype fabrication.

Seminars and Publications

“Semiconductor Materials in Automotive Applications” - class prepared and taught for Mechanics Education Association members