



CURRICULUM VITAE
JOHN P. EDELEN

EDUCATION

- 2023 MS COLORADO SCHOOL OF MINES – GOLDEN, COLORADO
College of Engineering
Engineering – Mechanical
Specialty – Thermal Fluid Energy Systems
- 2022 BS COLORADO SCHOOL OF MINES – GOLDEN, COLORADO
College of Engineering
Engineering – Mechanical
- 2018 AAS RED ROCKS COMMUNITY COLLEGE – LAKEWOOD, COLORADO
Associates of Applied Science
Precision Machining

PROFESSIONAL EXPERIENCE

- 2023 – DATE VECTOR SCIENTIFIC, INC.
*Engineer / Research and Testing
Accident Reconstruction*
Motor vehicle accident investigation, analysis, and reconstruction of low-speed and high-speed frontal, rear-end, lateral, sideswipe, and rollover collisions; accident scene and vehicle inspections and evidence documentation including Event Data Recorder (EDR) Crash Data Retrieval (CDR) downloads and 3D laser scanning; engineering analyses and computer simulation of vehicle and collision dynamics.
- 2023 COLORADO SCHOOL OF MINES
Graduate Senior Design Lab TA
Organized 120 Tools & Equipment for 62 design teams; maintained & trained students on CNC plasma cutter machine and laser cutter.
- 2016 – 2023 Foothills Glass
Glazier
Installed glass units and frames into heavy equipment, residential, and commercial buildings.

LICENSES AND CERTIFICATES

- 2023 / Oct Bosch Crash Data Retrieval (CDR)
CDR Data Analyst and System Operator Certification
- 2023 / Sept Bosch Crash Data Retrieval (CDR)
CDR Technician I & II Certifications

RESEARCH AND TESTING

- 2023 – 2024 VECTOR SCIENTIFIC, INC.
Wheel Separation Vehicle and Occupant Kinematics
- 2023 – 2024 1958 Edsel Citation Rebuild
Revamp Hydraulic Brake System with Dual Reservoir Vacuum-Powered Unit Utilizing an All-Wheel Disc Brake Design
Developed, fabricated, and tested an all-wheel disc brake design onto the vehicle to add safety redundancy, and durability from the original single reservoir all-drum brake setup.
- 2021 – 2022 Colorado School of Mines
Baja 1000 Trophy Truck Project
Collaborate with Professors and fellow engineering students to build a truck capable of off-road racing at speeds above 100 mph.

CONFERENCES, SEMINARS, AND COURSES

- 2024 / July National Association of Professional Accident Reconstructionists (NAPARS)
Counterfeit Airbags – Crash Investigation and Reconstruction of Counterfeit Airbags and Non-Genuine Component Parts
- 2024 / Mar Northwestern University Center for Public Safety
Traffic Crash Reconstruction I
- 2023 / Dec Institute of Police Technology and Management
Advanced Traffic Crash Investigation
- 2023 / Nov Photomodeler Technologies
PhotoModeler for Collision Investigations
- 2023 / Oct Northwestern University Center for Public Safety
Traffic Crash Investigation I
- 2023 / Oct Bosch Crash Data Retrieval
CDR System Analyst Course
- 2023 / Sept Virtual Crash Live Classroom Training Workshop
Virtual Crash 5 Accident Reconstruction Software
- 2023 / Sept Bosch Crash Data Retrieval
CDR Technician Course

PROFESSIONAL MEMBERSHIPS

American Society of Mechanical Engineers (ASME)

Society of Automotive Engineers (SAE)

Thorson Honors Program, Student Member at Colorado School of Mines (2018-2019)