



CURRICULUM VITAE
MACK D. MINNEHAN

EDUCATION

- 2022 MS COLORADO SCHOOL OF MINES – GOLDEN, COLORADO
College of Engineering
Mechanical Engineering
Specialty – Biomechanics
- 2021 BS COLORADO SCHOOL OF MINES – GOLDEN, COLORADO
College of Engineering
Mechanical Engineering

PROFESSIONAL EXPERIENCE

- 2023 – DATE VECTOR SCIENTIFIC, INC.
*Biomechanical Engineer / Research and Testing
Injury Biomechanics*
- 2023 ZAP ENGINEERING AND CONSTRUCTION SERVICES
Mechanical Engineer
- 2022 COLORADO SCHOOL OF MINES
Graduate Teaching Assistant / Grader
Course – Mechanics of Composite Materials
- 2022 ARCSCAN, INC.
Quality Engineer Intern
- 2021 – 2022 COLORADO SCHOOL OF MINES BIO-PERFORMANCE LABORATORY
Graduate Research Associate
- 2020 GRACON, LLC
Project Engineer Intern
- 2019 JAMES, CO, LLC
Project Engineer Intern

LICENSES AND CERTIFICATES

2023 / Oct FUNDAMENTALS OF ENGINEERING (FE), MECHANICAL LICENSE
National Council of Examiners for Engineering and Surveying

RESEARCH AND TESTING

2023 – 2024 VECTOR SCIENTIFIC, INC.
Wheel Separation Vehicle and Occupant Kinematics

2021 – 2022 COLORADO SCHOOL OF MINES BIO-PERFORMANCE LABORATORY
Change of Direction Efficiency Analysis

2020 – 2021 COLORADO SCHOOL OF MINES HUMAN CENTERED DESIGN STUDIO
Senior Design Project
Design adaptive equipment for amputees, tetraplegic, and quadriplegic patients.

CONFERENCES, SEMINARS, AND COURSES

2024 / Oct 68th Stapp Car Crash Conference – The Ohio State University, Columbus, OH

2024 / Oct National Highway Traffic Safety Administration – NHTSA Human Injury Research Division
52nd NHTSA Workshop on Human Subjects for Biomechanical Research

2024 / Sept Society of Automotive Engineers
Injuries, Anatomy, Biomechanics & Federal Regulation

2024 / July National Association of Professional Accident Reconstructionists (NAPARS)
Counterfeit Airbags – Crash Investigation and Reconstruction of Counterfeit Airbags and Non-Genuine Component Parts

2024 / May Northwestern University Center for Public Safety
Injury Biomechanics and Traffic Crash Reconstruction

2023 / Nov Photomodeler Technologies
PhotoModeler for Collision Investigations

PROFESSIONAL MEMBERSHIPS

Society of Automotive Engineers (SAE)