



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

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

2025/Nov 69th Stapp Car Crash Conference – Emory University, Atlanta, GA

2025/Oct 69th AAAM Scientific Conference – Indianapolis, IN

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)
Association for the Advancement of Automotive Medicine (AAAM)