IMPACT ANALYSIS, INC
Biomechanics ♦ Accident Reconstruction

Caroline Rimar, MS
Project Engineer
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Caroline Rimar, MS joined Impact Analysis, Inc. in 2020 where her work focuses on biomechanics and accident reconstruction. Ms. Rimar investigates, analyzes, and reconstructs vehicular and industrial equipment accidents. She also analyzes occupant kinematics, human injury tolerance, and rigid body dynamics associated with transportation related impacts, sports activities, heavy equipment, farm and industrial equipment, falls, and consumer products. She has analyzed accidents involving passenger vehicles, commercial vehicles, motorcycles, bicycles, and pedestrians, as well as farm and industrial equipment. Ms. Rimar has experience documenting and scanning vehicles and scene evidence.

She completed her Masters Degree in Biomedical Engineering at Wayne State University (2019) and her Bachelor of Science degree in Mechanical Engineering at the University of Notre Dame (2012). She also holds a M.S. Certificate in Entrepreneurship and Innovation from Wayne State University, and is a member of Tau Beta Pi national Engineering Honor Society.

Prior to joining Impact Analysis, Inc. she interned at Lear Corporation, serving as an expert collaborator on anatomy and impact biomechanics advancing processes to improve occupant safety in the event of a collision.

ACADEMIC CREDENTIALS & PROFESSIONAL HONORS

M.S., Biomedical Engineering, Wayne State University, 2019
M.S. Certificate, Entrepreneurship and Innovation, Wayne State University, 2019
Member of Tau Beta Pi, the national engineering honor society
B.S., Mechanical Engineering, University of Notre Dame, 2012

PRIOR EXPERIENCE

Research assistant, Wayne State University, 2019
Additive manufacturing intern, SME, Fall 2018
Innovation intern, Lear, Summer 2018
Clinical engineering intern, Beaumont Hospital, Winter 2018
Wheel core engineer, Ford Motor Company, 2016-2017