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Joseph D. Nehme-Haily, M.S.

Professional Profile

Joseph Nehme-Haily specializes in the investigation of accidents, notably vehicular collisions, as well as on the analysis and performance of automotive systems. His proficiencies include the following areas:

- Accident vehicle and roadway inspection and evaluation
- Event data recorder downloading and analysis, including passenger vehicles and heavy trucks
- Computer aided design techniques for the generation of accident reconstruction analysis, diagrams, and simulations
- Vehicle dynamics, momentum, and work-energy methods

Prior to joining Momentum PMV, Mr. Nehme-Haily worked at the Georgia Institute of Technology as a graduate researcher in the Hu Laboratory for Bioloocomotion, where he investigated and modeled complex fluid and biological phenomena. Concurrently, he worked as a graduate teaching assistant for fluid mechanics coursework in the Woodruff School of Mechanical Engineering. Additionally, Mr. Nehme-Haily interned at Kinetic Engineering and Accident Reconstruction Services, learning how to investigate vehicular collisions and utilize reconstruction techniques, such as photogrammetry and electronic vehicle data analysis. Mr. Nehme-Haily also interned at CFD Research, where he developed and tested computational fluid dynamics solvers for cases such as slag propagation within solid rocket motors.

Academic Credentials

M.S., Mechanical Engineering, Georgia Institute of Technology, 2025

B.S., Mechanical Engineering, Georgia Institute of Technology, 2024

Publications and Presentations

Nehme-Haily, J., Yin, L., Diaz, V., Lin, D., & Hu, D. L. "Natural frequencies in sexual pelvic thrusting." Integrative And Comparative Biology, icaf135, 2025.