



Jonathan Martinez

Biomechanist II

Department

Accident Reconstruction & Forensic Animation

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Locations

Houston, TX

Austin, TX

San Antonio, TX

Biography

Jonathan Martinez is a Biomechanist at YA Group with nearly five years of experience and is ACTAR certified (ACTAR #5015). He has published scientific research with The American Society of Mechanical Engineers (ASME) and The Society of Automotive Engineers (SAE).

He graduated from UTSA in 2021 with a Bachelor's in Biomedical Engineering. Before attending UTSA, he had careers in the oilfield as an automotive and heavy truck technician, and as a gourmet chef.

Credentials

- FAA Certified Drone Pilot
- The Accreditation Commission for Traffic Accident Reconstruction (ACTAR)

Professional Experience

- 2025 - Current | Biomechanist II | YA Group
- 2021 - 2025 | Graduate Engineer | Biodynamic Research Corporation
- 2021 - Present | Project Engineer | J. Eftekhar and Associates
- 2020 - 2021 | Field Service Technician | Beasley Tire Service
- 2014 - 2015 | Chef | Guerilla Gourmet
- 2010 - 2014 | Derrickhand | Patterson-UTI Drilling Company

Publications and Presentations

- 2024 - Gall, J., Martinez, J., Watson, R., and Gwin, L. P. Frontal Crash Testing of a Class V Lift Truck ASME Open J. Engineering ASME. January 2024 3 034501
- 2024 - Watson, R.; Bonugli, E.; Greenston, M.; and Santos, E. and Martinez J. "Comparison of Rear Impact Crash Reconstructions to Event Data Recorders in the Crash, Investigation Sampling System Database." Society of Automotive Engineers, 2024.
- 2022 - Watson, R.; Bonugli, E.; Greenston, M.; and Santos, E. and Martinez J. "Comparison of Rear Impact Crash Reconstructions to Event Data Recorders in the Crash, Investigation Sampling System Database." Society of Automotive Engineers, 2024.

Education

- University of Texas at San Antonio - Bachelor's of Science - Biomedical Engineering - San Antonio - Texas

Affiliations

- ACTAR Member
- American Society of Mechanical Engineers
- Biomedical Engineering Society
- Tire Industry Association