![Collision and Injury Dynamics logo] 2275 W. 190th Street, Torrance, CA 90504 • 310.414.0449 • www.ci-dynamics.com

CHRISTIAN T. DOOLEY, BSME
Senior Staff Engineer
cdooley@ci-dynamics.com

Professional Competence

Vehicular Accident Reconstruction and Mechanical Forensics involving passenger car and commercial vehicles. Subspecialties include drone-based Aerial Data Acquisition and heavy vehicle Event Data Recorder imaging and analysis.

Education and Certification

Remote Pilot, Small Unmanned Aircraft Systems
- Federal Aviation Administration, 2018

Bachelor of Science in Mechanical Engineering
- Northern Arizona University; 2017

Training

Engineering Dynamics Corporation
- EDC Simulations; 2019

Society of Automotive Engineers
- Accessing and Interpreting Heavy Vehicle Event Data Recorders; 2019
- Fundamentals of Vehicle Dynamics; 2022
- Advanced Applications of Heavy Vehicle EDR Data; 2022

Ruth Consulting
- Applying Automotive EDR to Traffic Crash Reconstruction; 2021

Brach Engineering
- Vehicle Crash Reconstruction Methods; 2023

Crash Testing

SATAI
- Glendale Regional Public Safety Training Center, Phoenix, AZ; 2023

WREX
- World Reconstruction Exposition, Orlando, FL; 2023

Professional Experience

2023 – Present   <u>Collision and Injury Dynamics, Inc.</u>
Employed as a Staff Engineer to perform reconstruction analysis for cases of vehicular collisions. Download and analyze crash data from Event Data Recorders from commercial vehicles. Assist Senior Consultants in conducting vehicle and scene inspections, documentation, and analysis of forensic data from accident vehicles and accident scenes, involving laser total station, 3D scanning operations, aerial drone mapping, and PC-Crash and HVE computer simulation.

2017 – 2023   <u>Collision and Injury Dynamics, Inc. (Staff Engineer)</u>
Supports analysis, reconstruction, and presentation of results of vehicular accident cases. Assist Senior Consultants in conduction vehicle and scene inspections, documentation, and analysis of forensic data from accident vehicles and accident scenes.

Organizations

American Society of Testing and Materials Committee F38 – Unmanned Aircraft Systems
Society of Automotive Engineers (SAE)

Biographical Sketch

Christian Tyler Dooley was born in Vallejo, CA in 1993. As a youth, he was an active member of the Boy Scouts of America and participated in events and fundraisers hosted by the Michael Hoefflin Foundation for Children's Cancer. He attended and graduated from Northern Arizona University, where he received a Bachelor of Science in Mechanical Engineering, with a minor in Mathematics. Between terms, Christian interned for Speed Demon Motorcycles, where he assisted engine rebuilds for club-level and professional-level racing bikes. After graduating, he found himself working on CNC mills, producing various after-market parts for street and racing motorcycles until joining Collision and Injury Dynamics, Inc. in the fall of 2017.

In his free time, Christian prefers to stay close with family, often spending the weekend hunting or fishing with his older brother and grandfather. He enjoys flying his hobby drone outside of work, appreciating the perspective of aerial photography.

Effective March 2024