

CARR ENGINEERING, INC.

12500 CASTLEBRIDGE DRIVE HOUSTON, TEXAS 77065-4532

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AMANDA R. DURAN

- Registered Professional Engineer, Texas Board of Professional Engineers

Specialized Professional Competence

- Crash analysis and reconstruction
- Mechanical design analysis and failure analysis

Professional Experience

- Senior Engineer, Carr Engineering, Inc. (2008-Present)
Graduate Engineer (2003-2007)
Engineer responsible for crash reconstructions including: vehicle and scene inspections utilizing a Nokia Total Station Laser Survey equipment; vehicle crush digitization using FARO arm; computer-aided crash analysis with HVE Programs such as EDCRASH and EDSMAC; traditional photogrammetry and Photomodeler; analysis of VDANL simulations.
- Bachelor of Science (Mechanical Engineering), with highest honors, The University of Texas (2002)
- Mechanical Engineer (Intern), Carr Engineering, Inc. (Summers 1998-2002)

Other

- Photomodeler Collision Reconstruction Course (2007)
- Northwestern University Center for Public Safety Traffic Accident Reconstruction Course (2006)
- Engineering Dynamics Corporation HVE Forum (2005)
- Engineering Dynamics Corporation- Reconstruction Course (2004)
- Engineering Dynamics Corporation- Simulations Course (2003)
- Member – Society of Automotive Engineers

Publications

- Co-Author “A Three-Dimensional Crush Measurement Methodology Using Two-Dimensional Photographs” – SAE 2008-01-0163