

Curriculum Vitae

Greg W. Hatcher

Profession: Mr. Hatcher is a graphics consultant with over 30 years of experience in creating graphics, illustrations, 3-D models, and 3-D animations and simulations for traffic crash reconstruction and analysis. He has experience in creating models for accidents involving low and high-speed collisions, daytime and nighttime accidents, and collisions involving commercial vehicles, automobiles, motorcycles, bicycles, pedestrians, and objects. Mr. Hatcher works with our team of experts to build custom graphics based on our accident reconstruction analyses.

Education: *Florida State University, Tallahassee, FL*
1986 – Bachelor of Science in Graphic Design

Experience: *Bloomberg Consulting*
2020 to present – Forensic Simulation and Animation Specialist

Big Impact Graphics, LLC – Fairhope, AL
2008 to Present – President

Quest Engineering – Tallahassee, FL
2006 to 2008 – Senior Manager, Demonstrative and Computer Graphics

Hatcher Graphic Services – Tallahassee, FL
1998 to 2006 – President

Benedict Engineering Company, Inc – Tallahassee, FL
1991 to 1998 – Engineering Technician

Vehicle Case Examples:

Visibility and Reaction Time

- ◆ **Nighttime Accident**
Animation showing the sequence of events in an accident in which a Subaru Forester pulled into traffic from a side street at night. The Subaru was impacted by a tractor trailer traveling at high speed. The animation was used to illustrate the light conditions and visibility at the scene and the time the truck driver had to react.



◆ **Nighttime Accident – Inclement Weather**

Animation showing the sequence of events in an accident in which a Honda Accord impacted a Jeep stopped in the roadway at night during a rainstorm. The animation was used to illustrate visibility at the time of the accident.

◆ **Speed as a Factor Accident**

Animation showing the sequence of events in an accident where a police car was driving through a neighborhood at high speed as an SUV pulled out of a driveway. The animation was used to illustrate that the driver of the SUV could not have seen the police car prior to the accident.

◆ **Lane Change Accident**

Animation showing the sequence of events in an accident involving a Ford Escape following behind a Toyota Camry during heavy traffic. The Toyota suddenly changed lanes revealing a stopped Dodge Avenger. The animation was used to show the time the driver of the Ford had to react to the stopped vehicle once it was revealed by the lane change.

◆ **Clear Visibility Accident**

Animation showing the sequence of events in an accident in which a delivery truck driver rear ended a motorcycle that was stopped to make a turn. The animation was used to show that the motorcycle was clearly visible for more than ten seconds, making the accident clearly avoidable.

Driver Action

◆ **Failure to Stop Accident**

Animation showing the sequence of events in an accident involving a tractor trailer that ran a stop sign and impacted a pickup truck with the right of way. The animation demonstrated that the pickup truck could not have avoided the accident. An avoidance scenario was also produced showing that had the tractor trailer simply stopped the accident would have been avoided.

◆ **Following Too Closely Accident**

Animation showing the sequence of events in an accident in which a tractor trailer slowed to make a turn and a SUV following the tractor trailer swerved to avoid rear ending the trailer, lost control, and overturned. The animation was used to show that the accident could have been avoided had the SUV been following at a reasonable distance.

◆ **Speeding Accident**

Animation showing the sequence of events in an accident involving a dump truck that lost control and rolled on its side during a simple turn. The animation was used to illustrate that had the driver slowed to a reasonable speed the accident would not have happened.

◆ **Failure to Yield Accident**

Animation showing the sequence of events in an accident in which a tractor trailer impacted a sedan at an intersection. The animation was used to show that the driver of the tractor trailer failed to yield the right-of-way to the sedan.

◆ **Improper Lane Change Accident**

Animation showing the sequence of events involving a Mercedes SLC that changed lanes, impacted the front of a tractor trailer, lost control, and struck a work truck parked in the median. The animation was used to show that the driver of the SLC improperly changed lanes causing the accident.

◆ **Speeding in a Construction Zone Accident**

3-D scale model of an accident scene and vehicles that illustrated the sequence of events in a vehicular accident in which a speeding vehicle rear-ended a stationary vehicle, driving it into a Florida Power worksite.

◆ **Driver Distraction Accident**

Animation showing the sequence of events in an accident in which a tractor trailer rear ended a stopped pickup truck. The animation was used to show that the accident could have been avoided had the tractor trailer driver not been distracted.

◆ **Asleep at the Wheel Accident**

3-D scale model of an accident scene and vehicles that illustrated the sequence of events in a vehicular accident in which the driver of a tour bus fell asleep at the wheel, which led to the bus leaving the road and rolling over in the median.

Medical Case Examples

◆ **Medical Malpractice**

Animation illustrating the sequence of events in a medical procedure showing the process and errors which led to the paralysis of patient.

◆ **Air Embolism**

Animation showing the sequence of events during a scuba class that led to the death of a student due to an air embolism.

◆ **Medical Procedure**

Animation showing the ACD surgical procedure

Mechanical Failure Case Examples

- ◆ **Improper Brake Function/Maintenance**
Animation used to illustrate the mechanical function of drum brakes in a normal state and in the state at the time of the accident. The animation was used to illustrate that the brake failure was due to improper maintenance.
- ◆ **Steering Linkage Failure**
3-D scale model of an accident scene and vehicles that illustrated the sequence of events in a vehicular accident of a tanker truck that lost control due to a steering linkage failure.
- ◆ **Engine Failure and Fire**
Animation showing the mechanism of failure in a diesel engine that led to the ejection of a piston rod which struck a fuel filter causing a fire and destruction of a ship in a Shipyard. The animation was used to highlight an assembly defect that led to the failure.
- ◆ **Trailer Disengagement**
3-D scale model of an accident scene and vehicles that illustrated the sequence of events in a vehicular accident where a horse trailer became disengaged from a vehicle, crossed the center line, and impacted an oncoming vehicle.

Industrial Accidents Case Examples

- ◆ **Factory Explosion Model**
3-D scale model of an accident scene that illustrated the sequence of events in an industrial accident at a facility in which an explosion occurred while reclaiming fuel from out-of-date military rockets.
- ◆ **Cable Failure – Industrial Accident**
Animation showing the sequence of events on an oil rig where a cable snapped, causing the rigging to fall on the crew below.
- ◆ **Forklift Accident**
Animation showing the sequence of events in an accident involving a forklift falling off of a trailer while in the process of unloading. During the unloading process, the trailer moved forward as the forklift rolled off to the ground causing injury to the operator.

Structural Mishaps or Failures Case Examples

- ◆ **Jet Crash**
Animation showing the sequence of events in an accident involving a private jet that impacted an unlighted power pole. The animation was used to show that had the pole been properly illuminated the accident could have been avoided.
- ◆ **Slip and Fall – Nursing Home Model**
Prepared a model of a bathroom facility in a nursing home which was not built to code. A resident fell due to the layout of the area and lack of required railings. The model was used to show the sequence of events, the design of the facility, and where railings should have been
- ◆ **Cell Tower Accident Model**
3-D scale model of a cell tower and scene that illustrated the accident scenario which occurred during the erection of a cell tower.
- ◆ **Drowning – Swimming Pool Accident Model**
3-D scale model of an Olympic sized pool and scene that illustrated the accident scenario which led to the death of a scuba diving student.

Photogrammetry

- ◆ **Photogrammetry**
Scaling of roadway evidence from police photos on over 250 cases by using advanced photogrammetry techniques. Evidence is scaled and placed on an AutoCAD drawing so the expert can reconstruct the accident.

Miscellaneous Models

- ◆ **Oil Fracking**
Animation showing the process of oil fracking.