

Shelly L Weed, Reality Capture Manager

After 10 years of experience in crash investigation as a member of the Traffic Unit with the Police Force, Shelly Weed founded Weed Reconstruction & Expert Consulting in 2012. As an accredited Collision Reconstructionist, she has investigated over 2,500 collisions and completed more than 1,000 hours of advanced crash reconstruction training.

To aid in the reconstruction process, Shelly began utilizing the latest technology and equipment in laser scanning. She later discovered a significant niche in the design and construction industry. Over the course of two years, she scanned and created nearly a hundred point cloud projects, including roadways, apartment complexes, hospitals, water slides, restaurants, office spaces, and historical exhibits. Shelly's vast experience with collision reconstruction has given her a keen attention to detail which has provided her with a solid foundation for scanning the built environment, creating point clouds, and offering a smooth transition from as-built conditions to 3D modeling.

Professional Experience:

S2A Integration | Reality Capture Manager | 2016 – Present

Weed Reconstruction & Expert Consulting | Founder / Owner / Operator | 2012 – Present

Sandy Springs Police Department | Traffic Unit / Hit and Run / Fatality Investigator - Sergeant ('16) | 2007 – Present

Fulton County Police Department | Traffic Unit / Serious Injury and Fatality Investigator | 2002 – 2007

Education:

Georgia Public Safety Training Center | 2006, 2008, 2012, 2015

North Georgia Law Enforcement Academy | 2011

Institute of Police Technology and Management | 2008-2016

Fulton County Public Safety Training Center | 2002, 2007, 2008

LaGrange College | Bachelor of Public Service | 2001

Certifications:

Faro X330 Laser Scanner Certification | 2014

Accreditation Commission for Traffic Accident Reconstruction (ACTAR) | 2012

Project Experience:

Healthcare

Piedmont Hospital | Atlanta, GA

Summit Medical Center Vertical Expansion | Hermitage, TN

Commercial + Retail

Armada Building | Knoxville, TN

McWhorter Building | Knoxville, TN

Pryor Brown Parking Garage Retrofit | Knoxville, TN

Conley Building Retrofit | Knoxville, TN

112 1/2 S. Central St. | Knoxville, TN

Kern's Bakery | Knoxville, TN

Cultural

Civil War Exhibit | Atlanta, GA

St. John's Cathedral | Knoxville, TN

Residential + Hospitality

Mayfair Apartment Complex | Birmingham, AL

Spalding Crossing Leasing Center | Atlanta, GA

Entertainment

Six Flags Over Georgia | Atlanta, GA
Busch Gardens | Tampa, FL
Rapids Water Park | Palm Beach, FL
Kentucky Kingdom | Louisville, KY
Zoom Flume Waterpark | Albany, NY
Canada's Wonderland | Toronto, Canada

Water Country USA | Williamsburg, VA
Ocean Breeze Waterpark | Virginia Beach, VA
Daytona Lagoon Waterpark | Daytona Beach, FL
Wet-N-Wild Splashtown USA | Houston, TX
Waldameer Park | Eerie, PA

Transportation

Cirrus Training Center | Alcoa, TN

Federal

Fredrick D. Hall | Atlanta, GA

John Sevier Building | Nashville, TN

** Highlighted projects indicate work in progress*