

Nathan McCarthy, Graphic Analyst
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BRIEF SUMMARY OF EDUCATION AND RELATIVE EXPERIENCE

Mr. McCarthy is a professionally trained graphic analyst specializing in forensic visualization for accident reconstruction, with university-level studies in mathematics and computer science and multiple professional certifications in Virtual CRASH. With 3+ years at Fischer Forensic Engineering and contributing to 600+ cases, brings deep experience processing and registering LiDAR scans, modeling scenes and vehicles, and establishing visual accuracy through photogrammetry-based reference matching for still images and animations.

Earlier experience includes co-founding and operating a faux finishing studio/distributorship/training operation, followed by a 3PL and purchasing company, and then founding a professional detailing business. Across these ventures, developed client-facing websites and marketing content reinforcing clear communication, presentation design, and discipline.

AREAS OF SPECIALIZATION

Forensic Visualization	Photogrammetry & Reference Matching
LiDAR Scan: Processing/Cleaning	Scene & Vehicle Modeling
Diagramming (Scaled & Measured)	Motion/Impact Analysis
Line of Sight/Visibility Studies	Support and QA

EDUCATION

ITT Technical Institute of Fort Myers
2011-12 Computer & Electronics Engineering Technology

Art Institute of Fort Lauderdale
2004-05 Game Art & Design

CERTIFICATIONS

Virtual CRASH: Live Classroom Training 3-Day Course
Virtual CRASH: Pedestrian Impacts
Virtual CRASH: Building Environments
Virtual CRASH: Public Safety Diagramming
Virtual Crash: Advanced Analyses 1
Virtual Crash: Advanced Analyses 2
Algebra: Elementary to Advanced – Equations and Inequalities; John Hopkins March 2024
Precalculus: Relations and Functions; John Hopkins March 2024
Precalculus: Periodic Functions; John Hopkins May 2024

PREVIOUS POSITIONS HELD

Noble Detailing LLC
Naples, FL & Punta Gorda, FL
Owner/Operator 2014- 2022

Provisor Consulting INT'L
Naples, FL
Managing Director 2013-2016

It's Faux You
Fort Lauderdale, FL
Co-Founder, Artist, Instructor 2007-2010

CONTINUING EDUCATION

CS-50 Intro to Computer Science March 2021
UNC-CH Math 110: Algebra May 2021
JHU 110.105: Precalculus June 2021

REPRESENTATIVE PROJECTS

Accident Reconstruction Support
Time and Distance Relative Analysis
Driver Decision/Perception-Reaction Time Diagramming
Vehicle Crush/Momentum Technical Visualization and Exhibit Development
Photogrammetric Analysis
Sight Distance Technical Visualization and Exhibit Development
Line of Sight/POV Diagramming & Animations
Angle of Slope Technical Visualization and Exhibit Development
Vision Obstruction Analysis & Diagramming
Vehicle Measurements Diagrams
Site & Road Evidence Diagramming
Traffic Signalization Synchronization
Impact Orientation Technical Visualization and Exhibit Development
Vehicular Impact Simulations/Animations
Bicycle/Pedestrian Impact Simulations/Animations
Processing and Registration of LiDAR scans
Motion Capture/Reenactment Animations