

CURRICULUM VITAE



Alan D. Stokes, B.S.E., ACTAR #1621

Forensic Consulting & Accident Reconstruction

A. D. STOKES, LLC

9047 NE 76th Court

Gainesville, Florida 32609

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Court-Qualified Expert Witness in Forensic Accident Reconstruction

Specializing in:

- Motor Vehicle Accidents, including single vehicle, multi-vehicle, large & oversized vehicles and equipment, trains, DUI, accidents involving weather conditions, roadway conditions and traffic control devices, pedestrians, and seat belt issues.
- Premises Liability, including slip/trip/fall, industrial accidents, electrical accidents & electrocutions, and carbon monoxide poisoning
- Accidents & Injuries involving Firearms, including bullet trajectory
- Computer Forensic Cases, including computer crimes, analysis of hardware & software issues

PRESENT PRACTICE & PROFESSIONAL EXPERIENCE

Forensic Accident Reconstruction/Forensic Computer Expert

- Accident Investigation & Reconstruction and Analysis
- Forensic Investigation & Reconstruction and Analysis of Crime Scenes and related matters
- Computer Software, Hardware, and Security Analysis & Investigations.
- Technical litigation support including investigation, evaluation, pre-trial consultation and testimony in the following areas:
 - Accident Reconstruction
 - 3-D Animation of Accident
 - Crime Scene Investigations (trajectory & positional aspects only)
 - Site and Scene Surveys
 - Records and Documentation Reviews
 - Vehicle Systems
 - Slip & Fall Accidents
 - Technical Video & Photography
 - Graphics
 - Technical Drawings
 - Safety Evaluation and Analysis
 - Fire & Explosion Cause Analysis
 - Data & Computer Forensics

- Investigation, analysis, reconstruction, testimony and litigation experience in hundreds of cases involving cars, heavy trucks and equipment, tractor-trailers, motorcycles, bicycles, trains, pedestrians, slip/trip & fall, safety evaluation, industrial accidents, electrical accidents and electrocutions, bullet trajectory, roadways, fires & explosions, carbon monoxide, computer technology, etc.; single and multi-vehicle accidents involving combinations of vehicles and factors
- Analysis of issues related to investigation and reconstruction of accidents including but not limited to speed and distance calculations, coefficients of friction, systems analyses, seat belt analysis, signage and traffic control devices, roadway conditions, wheels and tires, visibility, reaction times, and more
- Forensic analysis of computer systems, hardware and software, for hidden images, program modifications, Trojan programs, etc.

OTHER EXPERIENCE

- Mechanical and Electrical evaluation and redesign of existing industrial machine types; played a vital role in the design of new prototype machines in the process of making rechargeable NiCd batteries; supervised and participated in the design of mobile environmental drilling rigs.
- Complete design and fabrication of circuit boards and electronic components for automated systems; design of new automation equipment using Motorola microprocessor/ micro-controller boards; new product development, product redesign, purchasing, training programs, microprocessor / micro-controller systems design for communications, A/D and D/A subsystems
- AutoCAD design and drafting for Architectural, Mechanical, Electrical, Civil, and Industrial engineering fields; produced AutoCAD training manual for three divisions of company engineers.
- Complete development of E-Commerce sites using ASP and Microsoft SQL Server; development of Software, Hardware and Firmware for Mechanical/Electrical devices.

EDUCATIONAL BACKGROUND

- **Bachelor of Science; Major – Electrical/Computer Engineering**
University of Florida, Department of Electrical/Computer Engineering 1990 – 1993
University of Florida, Department of Mechanical Engineering 1988 - 1990
- **Associate of Arts**
Santa Fe Community College 1984 – 1988

PROFESSIONAL AFFILIATIONS

- **Accreditation Commission for Traffic Accident Reconstruction (ACTAR) #1621**
- **Member of the Institute of Electrical and Electronics Engineers, Inc. (IEEE)**
- **Member of Society of Automotive Engineers (SAE)**
- **Member of Accident Reconstruction Network (ARC)**

HONORS AND AWARDS

- **Invited to Participate in the ABOTA Masters in Trial /Mock Trial as an Expert Witness (selected to enact Expert Witness role in Mock Trial for both direct and cross examination by some of the nation's top litigators as a tool for other litigators to learn about examining professional Expert Witnesses)**
- **1994/1995 Who's Who of Worldwide Business Leaders**

WORK HISTORY**1984 to Present**

- **Owner/Consultant, A. D. Stokes, LLC** Gainesville, FL - 19 Years (Concurrent with other employment)
- **Forensic Accident Reconstructionist, Omicron, Inc.**, Trenton, FL - 3.5 years
- **Consultant, MCAE Technologies, Inc.** Atlanta, GA - 5 Years (Concurrent with other employment)
- **Technical Editor, Visual C++ Developers Journal**. Seattle, WA - 4 Years (Concurrent with other employment)
- **Lead Design Engineer, HMP Software Solutions, Inc.**, Atlanta, GA - 2 Years
- **Director of Engineering, Drill Concepts Inc.**, Jacksonville, FL - 3 Years
- **Mechanical Design Engineer, Gates Energy Products**, Gainesville, FL - 3 Years
- **Engineering Technician, Gainesville Gas Company**, Gainesville, FL - 3 Years

SPECIALIZED COURSEWORK

- **Physics with Calculus I**, University of Florida
- **Physics with Calculus II**, University of Florida
- **Descriptive Geometry**, University of Florida
- **Engineering Mechanics/ Statics**, University of Florida
- **Accident Investigation and Loss Control**, Kennedy Western University
- **Industrial Safety and Health Management**, Kennedy Western University
- **Human Factors in Engineering and Design**, Kennedy Western University
- **Technology, Law, and the Working Environment**, Kennedy Western University