

# CURRICULUM VITAE

## A. D. STOKES, LLC

A LIMITED LIABILITY COMPANY

ALAN D. STOKES, B.S. CEN, ACTAR, CFC, DABFET



Forensic Consulting & Accident Reconstruction  
9047 NE 76<sup>th</sup> Court  
Gainesville, Florida 32609  
Telephone: (866) 278-6537 (Toll-Free)  
Facsimile: (866) 668-1587  
Website: [www.adstokes.com](http://www.adstokes.com)  
Email: [alan@adstokes.com](mailto:alan@adstokes.com)



### PROFESSION

Court-Qualified and Accredited Expert in Forensic Consulting & 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, carbon monoxide poisoning and fire & explosion causation and origin.
- Accidents & Injuries involving Firearms, including bullet trajectory
- Computer Forensic Cases, including computer crimes, analysis of hardware & software issues

### EDUCATION

- 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)

### CERTIFICATIONS AND ACCREDITATIONS

- Certified Forensic Consultant (CFC) (2009-Present)
- Accredited Traffic Accident Reconstructionist (ACTAR) #1621 (2005 – Present)
- Diplomate (DABFET): American Board of Engineering & Technology (2010 - Present)

### PROFESSIONAL AFFILIATIONS

- American Board of Engineering & Technology (ABFET) (2010 - Present)
- Accreditation Commission for Traffic Accident Reconstruction (ACTAR) #1621(2006-Present)
- American College of Forensic Examiners Institute (ACFEI) (2009 – Present)
- Member of the Institute of Electrical and Electronics Engineers, Inc. (IEEE) (2000-Present)
- Member of Society of Automotive Engineers (SAE) (2000 – Present)
- Member of Accident Reconstruction Network (ARC) (2004 – Present)
- Member of the IEEE Vehicular Technology Society Membership (IEEE-VT) (2009 – Present)
- International Practical Shooting Confederation (IPSC) (2009 – Present)
- United States Practical Shooting Association (UPSPA) (2009 – Present)

## CONSULTING EXPERIENCE

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### 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)
  - Slip & Fall Accidents
  - Technical Video & Photography
  - 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 analysis, seat belt analysis, signage and traffic control devices, roadway conditions, wheels and tires, visibility, and reaction times.
- Forensic analysis of computer systems, hardware and software, for hidden images, program modifications, Trojan programs, etc.

## WORK EXPERIENCE

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- 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.

## WORK HISTORY

Some of the following positions were as a consultant and were concurrent with other employment.

- Owner/Forensic Consultant, A. D. Stokes, LLC, Gainesville, FL (2001 – Present)
- Forensic Engineer, D.B. Wiggins, P.E., Trenton, FL (1999 – 2002)
- Consultant/Technical Editor, Visual C++ Developers Journal, Seattle, WA (1995 – 2001)
- Consultant/Mechanical Engineer, MCAE Technologies, Inc., Atlanta, GA (1995 – 2001)
- Lead Design Engineer, HMP Software Solutions, Inc., Atlanta, GA (1993 – 1995)
- Director of Engineering, Drill Concepts Inc., Jacksonville, FL (1991 – 1993)
- Owner/Consultant, Continuum Consulting, Gainesville, FL (1988 – 2001)
- Mechanical Design Engineer, Gates Energy Products, Gainesville, FL (1988 – 1991)
- Engineering Technician, Gainesville Gas Company, Gainesville, FL (1984 – 1988)

## PROFESSIONAL DEVELOPMENT

### American College of Forensic Examiners International

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| ➤ <u>Certified Forensic Consultant, CFC® course (CFC01)</u>                      | 2009 |
| ➤ <u>Blood Spatter Interpretation at Crime Scenes (FESU0105)</u>                 | 2010 |
| ➤ <u>Eyewitness Memory for Vehicles (FEFA0305)</u>                               | 2010 |
| ➤ <u>The Daubert Decision: Accident Reconstruction Considerations (FEWI0406)</u> | 2010 |
| ➤ <u>Forensic Engineering Evaluation of Premises Maintenance (FEFA0407)</u>      | 2010 |
| ➤ <u>Causes of Failure: What a Forensic Engineer Looks For</u>                   | 2010 |

### Society of Automotive Engineers (SAE International)

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| ➤ <u>Commercial Vehicle Braking Systems (PD130611ON)</u> | 2010 |
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### Other Specialized Training

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| ➤ <u>Accident Investigation and Loss Control</u>      | 2003 |
| ➤ <u>Industrial Safety and Health Management</u>      | 2003 |
| ➤ <u>Human Factors in Engineering and Design</u>      | 2004 |
| ➤ <u>Technology, Law, and the Working Environment</u> | 2004 |