

Daniel E. Jackson  
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## CURRICULUM VITAE

### EMPLOYMENT

**August 2012 to Present:**

Founded AAR Forensic Consulting, a forensic training and consulting entity with the goals of providing quality, ethical forensic consulting and training to attorneys & litigants, as well as educational and training institutions, and governmental and corporate entities.

**May 1996 to November 1, 2012 (Retired):**

St. Louis County Police Department. Assigned to the Police Crime Laboratory as a Firearm & Toolmark Examiner trainee in September 2002. Initial training in firearms and toolmark examination was completed December 31, 2003, and all formal training as a firearms and toolmark examiner was completed June 1, 2004. Formal training in footwear and tire track/tire impression evidence was completed on November 12, 2004. Technical Manager and Training Officer of the Firearm & Toolmark Section as well as an active Examiner. Examined and reported on thousands of cases.

Previously assigned to Crime Scene Unit as a detective/crime scene investigator from April 1999 until September 2002. Responded to, investigated, and processed well over one thousand crime scenes.

Assigned to the Division of Uniform Patrol from May 1996, to April 1999.

**November 1995 to May 1996:**

Riverview, Missouri Police Department. Patrol officer.

**October 1992 to November 1995 :**

Cottleville, Missouri Police Department. Chief of Police in a small suburban, semi-rural city. Due to limited size of department, in addition to developing policy and procedure, administration and supervision, duties also included crime scene investigation and follow-up investigation of significant crimes. During this period, also served as President of the Missouri Small Cities Police Chiefs Association (1994 –1995), member of the Narcotics and Dangerous Drugs committee of the Missouri Police Chiefs Association, member of Missouri governor Mel Carnahan's Commission on Statewide Law Enforcement Policy ("Crime Summit"), and member of the International Association of Chiefs of Police.

**May 1987 to October 1992:**

Maryland Heights, Missouri Police Department. Patrol officer and detective. Duties included uniformed patrol, general assignment detective, approximately 3 ½ years as a crime scene investigator, and a founding member of county-wide Mobile Response Team.

**July 1986 to May 1987:**

Hawk Point, Missouri Police Department. Patrol officer.

**Emergency Medical Services Work Experience:**

**October 1976 to May 1987:**

Christian Hospitals Northeast-Northwest, St. Louis, Missouri. EMT-Paramedic in the busiest EMS system in the State of Missouri. Ran advanced life support ambulance responses to 911 calls in several fire protection districts in north St. Louis County. Served as training officer and relief shift supervisor, worked in Emergency Room when not on ambulance calls.

**Relevant Military Experience:**

Drill Sergeant School Instructor (DSL), Drill Sergeant Schools of the 85<sup>th</sup> and 84<sup>th</sup> Divisions, USAR, 1990 to 1999. Taught Basic Rifle Marksmanship and US weapons, was subject matter expert (SME) in Weapons, Rifle Bayonet, and Combatives among other topics. Extensive experience with US military small arms.

**PROFESSIONAL ASSOCIATIONS/AFFILIATIONS AND APPOINTMENTS**

Regular Member, International Association for Identification (IAI), international and Missouri divisions: Member of Firearms & Toolmark Examination Committee

Regular Member, Association of Firearms and Toolmarks Examiners: Member, Standardization & Training Committee, Glossary Subcommittee

Regular Member, Midwestern Association of Forensic Scientists

Professional Member, Forensic Science Society (London)

Associate Member, American Academy of Forensic Sciences (Criminalistics Section)

**RELEVANT EDUCATION, WORKSHOPS, AND TOURS**

Presently (2012) enrolled in graduate studies, East Tennessee State University, Department of Criminal Justice and Criminology

Bachelor of Science, Criminal Justice Management  
Sterling College, 1991

Firearms and Toolmarks formal training program  
September 29, 2002 through June 1, 2004, St. Louis County Police Crime  
Laboratory

Impression Evidence (Footwear and Tire Impressions) formal training program,  
June 1, 2004 through November 12, 2004, St. Louis County Police Crime  
Laboratory

Basic Police Training Program (141 hours)  
St. Charles County (Missouri) Law Enforcement Training Center  
1986  
Highest Scholastic Average award

Basic Police Training Program (640 hours)  
Greater St. Louis Police Academy  
1987  
Best Overall Recruit, Highest Scholastic Average awards

Emergency Medical Technician training  
University of Missouri-Columbia  
1974

EMT-Paramedic training course  
St. Louis University Hospitals  
1976

FBI LEOTC Basic Crime Scene Investigation Techniques and Basic Crime  
Scene Photography training seminars  
St. Louis, Missouri  
1989

Advanced Crime Scene Investigation Techniques  
St. Charles County LETC  
1989

Medicolegal Death Investigator Training Course  
St. Louis University, Missouri  
2000

Crime Scene Archaeology  
FBI - St. Louis, Missouri  
2001

IBIS/NIBIN Training Course  
Forensic Technologies Inc., Largo, Florida  
2002

Remington Factory Armorer School  
St. Louis County & Municipal Police Academy, Missouri  
2002

Shooting Incident Reconstruction School  
Presented by Forensic Training & Consulting (Ed Huiske)  
St. Louis County & Municipal Police Academy, Missouri  
2003

Armalite Factory AR-15/M-16 Rifle Armorer Course  
St. Louis County & Municipal Police Academy, Missouri  
2003

Gunpowder and Primer Residue in Distance Determination course  
University of North Texas Police Academy, Denton, Texas  
2003

Smith & Wesson Field Armorer School  
St. Louis County & Municipal Police Academy (CMPA), Missouri  
2003

BATF Serial Number Restoration Course  
Kansas City (Missouri) Police Crime Laboratory  
2003

Beretta Armorer School  
St. Louis County & Municipal Police Academy, Missouri  
2003

Glock Armorer School  
St. Louis County & Municipal Police Academy, Missouri  
2003

Smith & Wesson J-Frame Revolver Armorer School  
Springfield, MA  
2004

Smith & Wesson Model 1911 Pistol Armorer School  
Springfield, MA  
2004

Sig Sauer Semiautomatic Pistols Armorer's Course  
St. Louis County & Municipal Police Academy, Missouri  
2004

Techniques of Electrostatic Lifting of Footwear Impressions at Crime Scenes,  
International Association for Identification Educational Conference, St. Louis,  
Missouri  
2004

Introduction to Tire Track Evidence  
International Association for Identification Educational Conference, St. Louis,  
Missouri  
2004

Footwear Impression Identification Procedures and Results  
International Association for Identification Educational Conference, St. Louis,  
Missouri  
2004

Various Lectures/Presentations on Footwear and Tire Track Evidence,  
International Association for Identification Educational Conference, St. Louis,  
Missouri  
2004

The Detection, Recovery, and Examination of Footwear Impression Evidence,  
Bodziak Forensics  
Jacksonville, FL  
2004

The Examination of Tire Track and Tire Impression Evidence, Bodziak Forensics  
Jacksonville, FL  
2004

International Association for Identification Missouri Division  
Annual Educational Conference  
Lake Ozark, MO  
October, 2006

Sigarms Armorer Course  
November 27-28, 2006  
St. Louis County & Municipal Police Academy, Missouri

Sigarms Pistol Transitional Training  
March 8-9, 2007  
St. Louis County & Municipal Police Academy, Missouri

Bloodstain Pattern Analysis Workshop  
March 13, 2007  
University of Central Oklahoma  
Edmond, OK

Association of Firearm and Toolmark Examiners (AFTE)  
Annual Training Seminar  
May 27-June 1, 2007  
San Francisco, CA

Wound Ballistics Workshop  
AFTE Annual Training Seminar  
May 27-28, 2007  
San Francisco, CA

Compromise of High Security Locks Workshop  
AFTE Annual Training Seminar  
May 29, 2007  
San Francisco, CA

Determination of Common Origin for Items of Physical Evidence  
Through Fracture Matches  
July 26-27, 2007  
St. Louis County and Municipal Police Academy, Missouri

Toolmark Microscopy Identification  
May 5-9, 2008  
FBI Academy, Quantico, VA

Association of Firearm & Toolmark Examiners  
Annual Training Seminar  
May 18-23, 2008  
Honolulu, HI

Tour of the Hi-Point Firearms Manufacturing Facility (Beemiller Inc.)  
Mansfield, OH  
September 2009

Tour of the Goodyear Tire Manufacturing Plant  
Lawton, OK,  
November 2009

Tour of the Fiocchi Ammunition Manufacturing Plant in Ozark, MO,  
November 2009

Tour of the Remington Ammunition Manufacturing Plant in Lonoke, AR,  
November 2009

Remington Factory Armorer Course (5-day) at the Remington Armorers School  
in Ilion, NY and tour of the firearms manufacturing facility  
April 2010

Laboratory Management Awareness Seminar, ISO/IEC 17025:2005 General  
requirements, ASCLD/LAB-International:2006 Supplemental requirements.  
St. Louis Metropolitan Police Department Police Academy  
August 2010

Tour of the Belleville Shoe Manufacturing Co factory. in Belleville, IL  
Sept. 2010

Tour of Continental / General Tire Corp factory in Mount Vernon, IL  
Sept. 2010

Tour of DASCO PRO factory (manufacturers of handtools and fiberglass  
products)  
Rockford, IL  
April 2011

Tour of Rock River Arms assembly plant, Colona, IL  
April 2011

Association of Firearm & Toolmark Examiners (AFTE)  
Annual Training Seminar  
May 29 through June 3, 2011  
Chicago, IL

Metallurgy Seminar  
AFTE Training Seminar  
May 29, 2011  
Chicago, IL

Contemporary Issues in Firearms Identification Workshop  
AFTE Training Seminar  
June 2, 2011  
Chicago, IL

FNH FAL/SA-58 Armorer's Course  
AFTE Training Seminar  
June 3, 2011  
Chicago, IL

AR15/M16 Comprehensive Armorer Course  
WSTC, at St. Louis County & Municipal Police Academy  
June 14-16, 2011  
Wellston, MO

FNH SCAR (Rifle) NET Operator Course  
NRA Law Enforcement Training  
June 29, 2011  
NRA HQ, Fairfax, VA

FNH SCAR (Rifle) NET Operator Course  
NRA Law Enforcement Training  
June 29, 2011  
NRA HQ, Fairfax, VA

Ruger Armorers Courses (Mini 14/30, LCP, SR series pistols)  
NRA Law Enforcement Training  
December 6-8, 2011  
NRA HQ, Fairfax, VA

Tour of Megamet Solid Metals, Inc. (MIM-Molded Injected Metal) Earth City, MO  
February 2012

American Academy of Forensic Sciences  
Annual Scientific Proceedings  
February 21-24, 2012  
Atlanta, GA

Association of Firearm & Toolmark Examiners  
Annual Training Seminar  
June 24-29, 2012  
Buffalo, NY

Machine Gun Conversions Workshop  
AFTE Annual Training Seminar  
June 26, 2012  
Buffalo, NY

Tours of three knife manufacturing plants:  
Ontario Knife Co/Queen Cutlery Co, Franklinville, NY  
Ka-Bar Knives/Cutco Cutlery, Olean, NY  
W.R. Case & Sons Cutlery Co, Bradford, PA  
June 29, 2012 (via AFTE Annual Training Seminar)

Lock Picking, Bypassing, and Subtle Mechanical Breaching Techniques  
St. Louis County and Municipal Police Academy  
Wellston, MO  
August 30-31, 2012

In addition, I have attended numerous specialized and in-service training programs and lectures throughout my career, and have completed numerous practical exercises and competency tests in the course of formal firearms and toolmarks examiner training and impression evidence training (footwear and tire track/tire impressions.)

**GUEST LECTURER/PRESENTER AT THE FOLLOWING INSTITUTIONS:**

St. Louis University, Lindenwood University, St. Louis County & Municipal Police Academy, The former Greater St. Louis Police Academy, St. Charles County LETC.

**PROFICIENCY TESTING**

Yearly proficiency testing is conducted through outside testing agencies (e.g., Collaborative Testing Services) in the disciplines in which I engage.

**PUBLICATION**

“A survey of image processing techniques and statistics for ballistic specimens in forensic science” George Gerules, Sanjiv K. Bhatia, Daniel E. Jackson,  
*Science & Justice* 2012







## Forensic Consultation and Training

### **FEE SCHEDULE**

**EXAMINATION, FILE REVIEW, CASE WORK \$125 PER HOUR**

Includes consultation, conferences, case work, review of case documents and photographs, examination of physical evidence, experiments and tests, preparation and presentation of oral or written opinions.

**COURT OR DEPOSITION APPEARANCE: \$600 MINIMUM PER DAY (4 HOUR MINIMUM), \$150 PER HOUR (OR PORTION THEREOF) AFTER FOUR HOUR BLOCK HAS BEEN EXPENDED.** Normally the initial four hour block will commence at either 8:00a.m. or 12:00 noon , local time at location of appearance, depending on whether a morning or afternoon appearance is expected. Includes appearance at any court, hearing, trial, or deposition, formal or informal, whether or not testimony is actually presented.

**TRAVEL (More than 150 miles one way from office) \$1,000 PER DAY**

Plus actual and reasonable expenses for travel (including airfare, rental car, meals, lodging and expenses)

**TRAVEL (Within 150 Miles of office) \$75 PER HOUR** plus actual expenses (fuel, meals, rental car if necessary, etc.)

**MILEAGE REIMBURSEMENT (if personal vehicle is used) \$0.50 PER MILE**

**ON-CALL STANDBY FOR APPEARANCE: \$50 PER HOUR**

Home or office

**MISCELLANEOUS EXPENSES ACTUAL AND REASONABLE**

Includes any materials or purchased labor necessary for tests, experiments, court displays

**RETAINER \$1,000**

\$750 of the retainer shall be non-refundable. Required before any work is commenced. The retainer will be applied to accruing fees and expenses.

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