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Utah Bureau of Forensic Services
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EDUCATION

Master of Science, Forensic Science University of New Haven, West Haven, CT	2005
Bachelor of Science, Psychology University of Louisiana at Lafayette, Lafayette, LA	2002

EMPLOYMENT

Utah Bureau of Forensic Services, Ogden/Taylorsville, UT NIBIN Program Administrator Senior Forensic Scientist– Firearm and Tool Marks Forensic Scientist II – Firearm and Tool Marks	07/2017 - Present 04/2015 – Present 11/2012 – 04/2015
Acadiana Criminalistics Laboratory, New Iberia, LA Forensic Chemist – Physical Evidence Section Forensic Technician	01/2010 – 10/2012 10/2005 – 01/2010
Lafayette Parish Metro Forensics, Lafayette, LA Intern	06/2001 – 08/2001

TRAINING RECEIVED

Developing a Validation Plan Instructor: Rebecca Smith Association of Firearm and Tool Mark Examiners, Anaheim, CA	05/2025
Introduction of Error Rate Metrics and Overview of Firearm Examiner Error Rate Studies Instructor: Todd Weller Association of Firearm and Tool Mark Examiners, Anaheim, CA	05/2025
Photogunmetry Instructors: Kristen Schaefer and Aaron Brudenell Association of Firearm and Tool Mark Examiners, Austin, TX	05/2023
Blind Testing and Blind Verification in Firearms Instructors: Aimee Grimaldi, Callan Hundl, Donna Eudaley, Maddisen Neuman Association of Firearm and Tool Mark Examiners, Austin, TX	05/2023
Bullet Impact Examination Instructors: Dan Alessio and Matt Nodel The Pacific Northwest Division of the International Association for Identification	06/2022

Practical Trajectory Reconstruction Instructor: Mike Haag The Pacific Northwest Division of the International Association for Identification	06/2022
Glock – Flippin Switches Instructor: Brian Smelser Association of Firearm and Tool Mark Examiners, Miami, FL	08/2021
Double Casting: Best Practices Instructor: Paul Murphy Association of Firearm and Tool Mark Examiners, Nashville, TN	05/2019
Machining for the Firearm/Toolmark Examiner Instructor: Chris Monturo Association of Firearm and Tool Mark Examiners, Nashville, TN	05/2019
Implementation and Practical Applications of 3D Technology, Analysis, and Statistics for FA/TM Examinations Instructor: Alan Zheng, Thomas Renegar, Michael Stocker, Johannes Soons, Nicholas Petraco, Ryan Lilien, & Erich Smith Association of Firearm and Tool Mark Examiners, Nashville, TN	05/2019
ANAB ISO/IEC 17025 Forensic Science Testing Accreditation Requirements As it Applies to Firearms Identification Instructor: Laurel Farrel & Julie Knapp Association of Firearm and Tool Mark Examiners, Charleston, WV	06/2018
Matchpoint Tips & Tricks for IBIS-TRAX HD3D Instructor: Andrew Boyle Association of Firearm and Tool Mark Examiners, Charleston, WV	06/2018
Ultra Electronics Forensic Technology Course for BrassTrax and MatchPoint Instructor: Ed Bentley Utah Bureau of Forensic Services, Salt Lake City, UT	07/2017
Ammunition Identification and CartWinPro Instructor: Axel Mantei Association of Firearm and Tool Mark Examiners, Denver, CO	05/2017
International Firearm Specialist Academy Instructor: Daniel O'Kelly Utah Bureau of Forensic Services, Salt Lake City, UT	03/2017
Internal Auditor Training Instructor: Michele Marfori Utah Bureau of Forensic Services, Salt Lake City, UT	08/2015
Metallurgy for the Non-Metallurgist Instructor: Dana Medlin, Ph.D, P.E., FASM Association of Firearm and Tool Mark Examiners, Dallas, TX	05/2015
Gunshot and Shotgun Injuries Instructor: Patrick E. Besant-Matthews, MD Association of Firearm and Tool Mark Examiners, Dallas, TX	05/2015
Fundamentals of Crime Scene Photography Instructor: Paul Rimmash Weber-Metro CSI, Ogden, UT	04/2015

ASCLD-LAB-International Measurement Confidence for the Forensic Laboratory Instructor: Laurel Farrell Utah Bureau of Forensic Services, Salt Lake City, UT via Fuze Meeting	09-2014
Professional Orientation School for Crime Laboratory Scientists Instructor: John Collins Utah Bureau of Forensic Services, Salt Lake City, UT	08/2014
Historical Proof Marks Instructor: Ian McCollum Association of Firearm and Tool Mark Examiners, Seattle, WA	05/2014
Basic Bloodstain Pattern Analysis Instructor: Karen Elliott Utah Bureau of Forensic Services, Salt Lake City, UT	05/2014
Roles in Forensic Science: The Sociological Perspective Instructor: Samantha Neal West Virginia University Extended Learning	07/2013
Ruger LCP Armorer's Course Instructor: Bob Wood Association of Firearm and Tool Mark Examiners, Albuquerque, NM	06/2013
3D Laser Scanning Workshop Instructor: Tom Grissom Association of Firearm and Tool Mark Examiners, Albuquerque, NM	06/2013
Advanced Crime Scene Training Utah Bureau of Forensic Services, Salt Lake City, UT	05/2013
Basic Crime Scene Training Utah Bureau of Forensic Services, Salt Lake City, UT	04/2013
Firearm and Tool Mark Training Utah Bureau of Forensic Services, Ogden, UT	11/2012 - Present
Ethics in Forensic Science Instructor: Robin Bowen West Virginia University Extended Learning	03/2013
Firearm and Tool Mark Training Acadiana Criminalistics Laboratory, New Iberia, LA	04/2009 – 10/2012
Introduction to Kimber 1911 Pistols Instructor: Ronald Dudzic Association of Firearm and Tool Mark Examiners, Buffalo, NY	06/2012
Subclass – The Firearm and Toolmark Examiner's Worst Problem...Or is it? Instructor: Nancy McCombs Association of Firearm and Tool Mark Examiners, Buffalo, NY	06/2012
Science of Fingerprints Instructor: Samantha Neal West Virginia University Extended Learning	10/2011

<p>“STRIA” for Cartridge Case Comparison Instructor: Beta Tam Association of Firearm and Tool Mark Examiners, Chicago, IL</p>	06/2011
<p>Talking Bullets and Cartridge Cases Instructor: Lucien Haag Association of Firearm and Tool Mark Examiners, Chicago, IL</p>	05/2011
<p>Introduction to the Forensic Examination of Plastic Bags Instructor: Ted Schwartz 2011 Spring Continuing Education for Forensic Professionals, New Orleans, LA</p>	03/2011
<p>National Firearms Examiner Academy ATF National Laboratory Center, Ammendale, MD</p>	10/2009 – 09/2010
<p>Machinegun Conversion ATF Firearms Technology Branch, Martinsburg, WV</p>	05/2010
<p>Introduction to Firearms and Tool Marks Instructor: Dade Chisler West Virginia University Extended Learning</p>	04/2009
<p>Gunshot Residue Instructor: Charles Watson Louisiana Association of Forensic Scientists, Baton Rouge, LA</p>	04/2009
<p>Trigger Pull and Uncertainty Measurement Instructor: Charles Watson Louisiana Association of Forensic Scientists, Baton Rouge, LA</p>	04/2009
<p>Critical Decision Making Instructor: Dan Gunnell Louisiana Association of Forensic Scientists, Baton Rouge, LA</p>	03/2009
<p>Emotional Survival for the Forensic Scientist Instructor: Dan Gunnell Louisiana Association of Forensic Scientists, Baton Rouge, LA</p>	03/2009
<p>Ethics & Profession of Forensic Science Instructor: Raymond Davis Southern Association of Forensic Scientists, Shreveport, LA</p>	09/2008
<p>Shooting Incident Reconstruction Instructor: Ed Heuske Southern Association of Forensic Scientists, Shreveport, LA</p>	09/2008
<p>Digital Image Enhancement Instructors: Brian Dalrymple, Jill Smith Ron Smith & Associates, Shreveport, LA</p>	08/2008
<p>Integrity, Character, & Ethics in Forensic Science Instructor: Dan Gunnell Louisiana Association of Forensic Scientists, Baton Rouge, LA</p>	10/2007
<p>Hi-Point Familiarization Instructor: Tom Deebs Louisiana Association of Forensic Scientists, Baton Rouge, LA</p>	10/2007

Serial Number Restoration Instructors: Michael Neel, Kristin Gerber, James Yurgealitis (ATF) Louisiana Association of Forensic Scientists, Baton Rouge, LA	10/2007
Forensic Biology Screening Workshop National Forensic Science Technology Center, Largo, FL	04/2007
Full Automatic/Suppression Weapons Workshop Instructors: Charles Watson, Will Hayden Louisiana Association of Forensic Scientists, Baton Rouge, LA	09/2006
Basic Bloodstain Pattern Analysis Instructor: Ross Gardner Louisiana Association of Forensic Scientists, Baton Rouge, LA	09/2006
NIBIN Training National Forensic Science Technology Center, Largo, FL	04/2006
Courtroom Testimony Instructors: Raymond Davis, Richard Eigenbrod Louisiana's Second Annual DNA Scientific Meeting	01/2006
<u>TRAINING CONDUCTED</u>	
Technical Writing and the Peer Review Process Miami, FL	08/2021
Shooting Reconstruction, 2 Day for SBI Salt Lake City, UT & Heber City, UT	10/2017
Crime Scene Specialist Training – Basic Sandy, UT	04/2016
Crime Scene Specialist Training – Basic Sandy, UT	05/2015
Crime Scene Shooting Reconstruction, 3 Day Tooele, UT	08/2014
Crime Scene Shooting Reconstruction, 3 Day Salt Lake City and Tooele, UT	06/2014
Crime Scene Specialist Training – Basic Sandy, UT	05/2014
Basic Shooting Reconstruction for Tri-Division IAI, ½ day Sandy, UT	11/2013
Crime Scene Shooting Reconstruction, 3 Day Price, UT	07/2013
Acadiana Law Enforcement Training Association	Various
St. Martin Training Academy	Various
Acadiana Crime Lab Crime Scene Training	Various

INSTITUTIONS VISITED

Barnes Bullets Mona, UT	04/2011
Colt's Manufacturing Company West Hartford, CT	04/2010
Charter Arms Shelton, CT	04/2010
Connecticut Shotgun Manufacturing Company New Britain, CT	04/2010
Savage Arms Westfield, MA	04/2010
Smith & Wesson Springfield, MA	04/2010
O.F. Mossberg & Sons, Inc. North Haven, CT	04/2010
United States Fire Arms Manufacturing Company Hartford, CT	04/2010
Lyman Products Corporation Middletown, CT	04/2010
Drill Masters Eldorado Tools Milford, CT	04/2010
Remington Arms Company Ilion, NY	04/2010
Yankee Hill Machine Company Florence, MA	04/2010
Kahr Arms Worcester, MA	04/2010
Thompson Center Arms Rochester, NY	04/2010
Sturm, Ruger, and Company, Inc. Newport, NH	04/2010
Sig Sauer, Inc. Exeter, NH	04/2010
Remington Arms Corporation, Inc. Little Rock, AK	02/2010

PROFESSIONAL AFFILIATIONS

National Shooting Sports Foundation -SHOT Show Safety Advisor	2022 – Present
American Society of Crime Laboratory Directors	2019 - Present

Utah Division of the International Association for Identification	2014 – Present
-President	2017
-1 st Vice President	2016
-2 nd Vice President	2015
Association of Firearm and Tool Mark Examiners	2012 – Present
-AFTE Journal Editor	2018 – Present
-Training Seminar Steering Committee	2017 – 2023
Technical Program Sub-Committee Chair	
-Copyright Sub-Committee	2016 – Present
-2017 Host Committee Member	2016 – 2017
-2016 Host Committee Technical Session Chair	2015 – 2016
Louisiana Association of Forensic Scientists	2006 – Present
-Secretary-Treasurer	2009 – 2012
-Chairperson	2008
-Vice-Chairperson	2007
Louisiana Association of Scientific Crime Investigators	2006 – 2012

MEETINGS ATTENDED

Association of Firearm and Tool Mark Examiners	05/2025
Association of Firearm and Tool Mark Examiners	05/2023
The Pacific Northwest Division of the International Association for Identification	06/2022
Association of Firearm and Tool Mark Examiners	08/2021
Shooting, Hunting, Outdoors Trade Show	01/2020
Association of Firearm and Tool Mark Examiners	05/2019
Shooting, Hunting, Outdoors Trade Show	01/2019
Association of Firearm and Tool Mark Examiners	06/2018
Shooting, Hunting, Outdoors Trade Show	01/2018
Association of Firearm and Tool Mark Examiners	05/2017
Shooting, Hunting, Outdoors Trade Show	01/2017
Association of Firearm and Tool Mark Examiners	05/2016
Shooting, Hunting, Outdoors Trade Show	01/2016
Association of Firearm and Tool Mark Examiners	05/2015
Shooting, Hunting, Outdoors Trade Show	01/2015
Association of Firearm and Tool Mark Examiners	05/2014
Shooting, Hunting, Outdoors Trade Show	01/2014
Tri-Division Educational Conference (IAI)	11/2013
Association of Firearm and Tool Mark Examiners	06/2013
Shooting, Hunting, Outdoors Trade Show	01/2013
Louisiana Association of Forensic Scientists	10/2012
Association of Firearm and Tool Mark Examiners	06/2012
Louisiana Association of Forensic Scientists	04/2012
Louisiana Association of Forensic Scientists	02/2012
Association of Firearm and Tool Mark Examiners	05/2011
Louisiana Association of Forensic Scientists	05/2011
Louisiana Association of Forensic Scientists	01/2011
Louisiana Association of Forensic Scientists	07/2009
Louisiana Association of Forensic Scientists	03/2009
Louisiana Association of Forensic Scientists	01/2009
Louisiana Association of Forensic Scientists	09/2008
Southern Association of Forensic Scientists	09/2008
Louisiana Association of Forensic Scientists	08/2008
Louisiana Association of Forensic Scientists	04/2008
Louisiana Association of Forensic Scientists	02/2008
Louisiana Association of Forensic Scientists	10/2007
Louisiana Association of Forensic Scientists	08/2007
Louisiana Association of Forensic Scientists	04/2007
Louisiana Association of Scientific Crime Investigators	02/2007

Louisiana Association of Forensic Scientists	02/2007
Louisiana Association of Scientific Crime Investigators	12/2006
Louisiana Association of Forensic Scientists	09/2006
Louisiana Association of Forensic Scientists	07/2006
Louisiana Association of Forensic Scientists	04/2006
Louisiana's Second Annual DNA Scientific Meeting	01/2006

COURTROOM TESTIMONY

2 nd Judicial District Court of Weber County, Ogden Utah	01/2025
2 nd Judicial District Court of Weber County, Ogden Utah	11/2024
2 nd Judicial District Court of Davis County, Farmington Utah	04/2024
3 rd Judicial District Court of Salt Lake County, Salt Lake City Utah	11/2023
3 rd Judicial District Court of Salt Lake County, Salt Lake City Utah	10/2023
2 nd Judicial District Court of Weber County, Ogden Utah	08/2023
3 rd Judicial District Court of Salt Lake County, Salt Lake City Utah	06/2023
2 nd Judicial District Court of Weber County, Ogden Utah	04/2023
United States District Court for the District of Utah	02/2023
2 nd Judicial District Court of Weber County, Ogden Utah	11/2019
5 th Judicial District Court of Iron County, Cedar City Utah	11/2017
3 rd Judicial District Court of Salt Lake County, Salt Lake City Utah	11/2016
3 rd Judicial District Court of Salt Lake County, Salt Lake City Utah	09/2016
5 th Judicial District Court of Iron County, Cedar City Utah	06/2016
2 nd Judicial District Court of Weber County, Ogden Utah	01/2016
3 rd Judicial District Court of Salt Lake County, Salt Lake City Utah	09/2015
2 nd Judicial District Court of Weber County, Ogden Utah	06/2015
5 th Judicial District Court of Iron County, Cedar City Utah	06/2015
2 nd Judicial District Court of Weber County, Ogden Utah	03/2015
Opelousas City Court, Opelousas Louisiana	02/2012

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