



Alexander Luby, Firearms Examiner Unified Forensic Laboratory

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Experience

2022-05 to Present Firearms Examiner, Unified Forensic Laboratory
2019-04 to 2022-05 National Integrated Ballistic Information Network (NIBIN) Technician, Unified Forensic Laboratory
2013-08 to 2019-04 Paralegal, 18th Judicial District Attorney

Professional Affiliations

2024-12 to Present Technical Working Group for 3D Toolmark Technologies (TWG3D2T)
2024-06 to Present Provisional Member, Association of Firearm and Tool Mark Examiners (AFTE)
2021-02 to 2024-05 Associate Member, AFTE

Education

2022 Bachelor of Science, Criminal Justice and Criminology, minor in Criminalistics, Metropolitan State University of Denver, Denver, CO
2017 Associate of Science, Chemistry, Community College of Aurora, Aurora, CO

Training

2019-04 to 2020-01 NIBIN Technician Training, Unified Forensic Laboratory; Englewood, CO
2019-05 IBIS Trax-HD3D Matchpoint System, Ultra Electronics Forensic Technology; Englewood, CO
2019-05 IBIS Data Acquisition, Bureau of Alcohol, Tobacco, Firearms, and Explosives; Englewood, CO
2019-06 IBIS Trax-HD3D E-Learning Modules, Ultra Electronics Forensic Technology; Online Course
2019-11 Serial Number Restoration, Bureau of Alcohol, Tobacco, Firearms, and Explosives; Golden, CO
2020-04 Firearms Examiner Training, National Institute of Justice; Online Course
2020-05 Applying Communication Science Principles to Forensic Report Writing and Courtroom Testimony, Midwestern Association of Forensic Scientists; Webinar
2020-08 Certified Firearm Specialist, International Firearm Specialist Academy; Online Course
2020-08 Springfield XD/XDM Armorer, Team One Network; Englewood, CO
2020-10 Courtroom Testimony for Forensic Investigators, Colorado Forensics Investigators Group; Thornton, CO
2021-03 NIBIN Authorized Trainer, Bureau of Alcohol, Tobacco, Firearms, and Explosives; Englewood, CO
2021-04 Statistical Thinking for Forensic Practitioners, Center for Statistics and Applications in Forensic Science; Webinar
2021-05 Algorithms in Forensic Science, Center for Statistics and Applications in Forensic Science; Webinar
2021-10 Glock History, Manufacturing, and Evolution, Unified Forensic Laboratory; Englewood, CO
2021-11 Maximizing NIBIN's Potential in the Courtroom, Ultra Electronics Forensic Technology; Webinar



2021-11	Midwest Firearm 2021 Virtual Training Seminar, Milwaukee Crime Laboratory; Webinar
2021-12	Glock Pistol Toolmarks: A Literature Review and Introduction of Undocumented Toolmarks, Forensic Technology Center of Excellence; Webinar
2021-12	Two-Pronged Study of Bullets Fired by Consecutively Rifled Barrels, Forensic Technology Center of Excellence; Webinar
2022-01	2022 Firearm an Toolmarks Policy and Practice Forum, National Institute of Justice; Webinar
2022-04	Shining a Light on Black Box Studies, Center for Statistics and Applications in Forensic Science; Webinar
2022-05	AFTE Annual Training Seminar; Atlanta, GA
2022-05 to 2024-01	Firearm Examiner Training, Unified Forensic Laboratory; Englewood, CO
2022-06	Blind Testing in Firearms Examination: Preliminary Results, Benefits, Limitations, and Future Directions, Center for Statistics and Applications in Forensic Science; Webinar
2022-07	Firearm and Toolmark Examination Courtroom Admissibility, Error Rates, Critics, and other Contemporaneous Issues, Weller Forensics LLC; Webinar
2022-10 to 2023-09	National Firearms Examiner Academy, Bureau of Alcohol, Tobacco, Firearms, and Explosives; MD
2023-04	Shooting Incident Reconstruction, National Firearms Examiner Academy, Bureau of Alcohol, Tobacco, Firearms, and Explosives; MD
2023-04	Gunshot Residue and Distance Determination, National Firearms Examiner Academy, Bureau of Alcohol, Tobacco, Firearms, and Explosives; MD
2023-07	Privately Made Firearms Familiarization, Bureau of Alcohol, Tobacco, Firearms, and Explosives; Denver, CO
2023-11	Glock Armorer, Glock; Englewood, CO
2024-05	AFTE Annual Training Seminar; Anchorage, AK
2024-05	Full Auto Conversions and Privately Made Firearms Familiarization, Bureau of Alcohol, Tobacco, Firearms, and Explosives; Denver, CO
2024-06	Cadre Forensics TopMatch 3D Virtual Comparison Microscopy; Englewood, CO
2024-12	1911 Pistol Armorer, Defensive Edge; Littleton, CO
2024-12	Law Enforcement Shotgun Armorer, Defensive Edge; Littleton, CO

Courtroom Experience

Qualified in Firearms Examination and Firearm Functionality in the following jurisdictions:
18th Judicial District, Colorado

Presentations

Firearms and NIBIN, Douglas County Sheriff Academy, Castle Rock, CO; 2020-12
Expert Witness Training, Colorado District Attorneys' Council, Denver, CO; 2022-02
Machining Operations and Individual Characteristics, AFTE Annual Training Seminar, Anchorage, AK; 2024-05
Virtual Workshop Series: 3D Firearm Imaging Session 3 Casework Efficiency, LIMS Integration, and Workflow Configurations, Forensic Technology Center of Excellence; 2024-09



Factory Tours

2022-05	Glock, Inc.; Smyrna GA
2022-06	3D Printing Colorado; Broomfield, CO
2023-04	Remington Ammunition; Lonoke, AR
2023-04	Sig Sauer Ammunition; Jacksonville, AR
2023-04	Fiocchi of America Ammunition; Little Rock, AR
2023-05	Ruger Firearms; New Port, NH
2023-05	Sig Sauer; Newington, NH
2023-05	Kahr Arms; Worcester, MA
2023-05	Smith & Wesson; Springfield, MA
2023-05	Savage Arms; Westfield, MA
2023-05	Colt's Manufacturing Company; Hartford, CT
2023-05	O.F. Mossberg & Sons; North Haven, CT
2023-05	Driller Masters Eldorado Tool; Milford, CT
2023-05	Lyman Products Corporation; Windsor, CT
2023-05	Charter Arms; Shelton, CT
2023-05	Connecticut Shotgun Manufacturing Company; Britain, CT
2023-05	Yankee Hill Machine Company; Easthampton, MA