



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 Focchi 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