**Name: Nicolette Roth Date of Last Update: 12/15/2023**

**Job Title: Forensic Scientist III**

**Indicate all disciplines in which you currently perform testing or calibration work:**

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| --- | --- | --- | --- | --- |
|  | **Seized Drugs** |  |  | **Blood Alcohol (Toxicology – Testing)** |
|  | **Biology** |  |  | **Firearms/Toolmarks** |
|  | **Latent Prints (Friction Ridge)** |  |  | **Crime Scene** |
|  | **Breath Alcohol (Toxicology - Calibration)** |  |  | **Impressions (Footwear)** |

**For each discipline checked in the table above, list all categories in which you perform work:**

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| Firearm and Toolmark, Crime Scene Response, Latent Print Processing |

**Education:** List all higher academic institutions attended (list high school only if no college degree has been attained)**.**

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| Institution | Dates Attended | Major | Degree Completed |
| University of Alaska, Anchorage | Aug 2015-2017  Aug 2006-2008 | Natural Sciences | Bachelor of Science |
| Yavapai Community College | 2003-2006 | General | Associate of Arts |

**Continuing Education:**  List formal coursework, conferences, workshops, in-service and other training received applicable to past and current forensic related positions.

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| --- | --- | --- |
| Course Title | Source of Training | Date(s) of Training |
| Error Rates, Statistics, and Studies- An Overview | Association of Firearm and Tool Mark Examiners 2023 Training Seminar- Austin Texas, Todd Weller | May 25, 2023 |
| Association of Firearm and Tool Mark Examiners 2023 Training Seminar | Association of Firearm and Tool Mark Examiners 2023 Training Seminar- Austin, TX | May 2023 |
| Forensic Technical Assessor Training for ISO/IEC 17025, AR 3125 | ANSI National Accreditation Board (ANAB) Online | April 3-7, 2023 |
| Association of Firearm and Toolmark Examiners Training Seminar | Association of Firearm and Toolmark Examiner’s Annual Training Seminar-Atlanta | May 2022 |
| Ammunition Identification and CartWinPro | Association of Firearm and Toolmark Examiner’s Training Conference-Atlanta | May 2022 |
| Glock Talk-History, Manufacturing and Evolution | Association of Firearm and Toolmark Examiner’s Training Conference-Atlanta | May 2022 |
| Exploration of Breech Face Subclass Characteristics | National Institutes of Justice –Webinar-Veronica Franklin | Dec 2021 |
| Scientific Foundations of Firearm and Toolmark Identification | Association of Firearm and Toolmark Examiner’s Annual Training Conference -Jeff Goudeau | August 2021 |
| M&P15 Rifle Armorer’s Course | Association of Firearm and Toolmark Examiner’s Annual Training Conference | August 2021 |
| Post Blast Investigator’s School | SSABT Kevin Finnerty - Federal Bureau of Investigation Laboratory Division Explosives Unit | July 2021 |
| Forensic Photography, Part 10 (Visible Light-Ultraviolet-Infrared) | Aperture Photo Training | June 2021 |
| Cognitive Bias | Dr. Itiel Dror – Cognitive Consultants International HQ (Online) | March 2021 |
| AAFS Annual Scientific Meeting | AAFS | Feb 2021 |
| New Methods for the Detection of Lead, Copper, and Nitrite Residue | International Association for Identification | November 2020 |
| Alaska Scientific Crime Detection Laboratory Crime Scene Processing Training | Alaska Scientific Crime Detection Laboratory | November 2019-2020 |
| Methods of Instruction | State of Alaska | Sept 2019 |
| Forensic ISO/IEC 17025:2017 Internal Auditor Training | Emma K. Dutton, PhD. - ANAB  ASCLD | June 2019 |
| Springfield XD/XDm Armorer’s Course | Association of Firearm and Toolmark Examiner’s Annual Training Conference | May 2019 |
| Glock Armorer’s Course | Association of Firearm and Toolmark Examiner’s Annual Training Conference | May 2019 |
| Hi-Point Armorer’s Course | Association of Firearm and Toolmark Examiner’s Annual Training Conference | May 2019 |
| Recognizing an 80% Lower in Casework | Association of Firearm and Toolmark Examiner’s Annual Training Conference | May 2019 |
| Bullet Path Analysis | Association of Firearm and Toolmark Examiner’s Annual Training Conference | May 2019 |
| National Firearm Examiners Academy, Phase I | Bureau of Alcohol, Tobacco, Firearms, and Explosives | Oct 2017 – Jan 2018 |
| National Firearm Examiners Academy, Phase II | Bureau of Alcohol, Tobacco, Firearms, and Explosives | Jan-May 2018 |
| National Firearm Examiners Academy, Phase III | Bureau of Alcohol, Tobacco, Firearms, and Explosives | May-Sept 2018 |
| National Firearm Examiners Academy, Phase IV | Bureau of Alcohol, Tobacco, Firearms, and Explosives | Sept 2018 |
| Modern Technology in Firearm and Toolmark Identification | National Institute of Standards and Technology | May 2018 |
| Crime Scene Photography | ASCDL | 2017 |
| The Science of Fingerprints | West Virginia University | 2014 |
| Soil Impressions | ASCDL | 2013 |
| Forensic Photography | Anchorage Police Department | 2013 |
| Forensic Photography | Anchorage Police Department | 2013 |
| Tire Impressions | ASCDL | 2013 |
| Methods of Instruction | Anchorage Police Department | 2013 |
| ABC’s of Forensic Biology | ASCDL | 2013 |
| DataMaster Operator Training | ASCDL | 2012 |
| The HAZWOPER Standard | International Association of Arson Investigators | 2012 |
| DNA | International Association of Arson Investigators | 2012 |
| Introduction to Evidence | International Association of Arson Investigators | 2012 |
| DOT Security Awareness Training | MSDS Online | 2012 |

**Testimony:** Complete the information below for testimony provided.

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| --- | --- | --- |
| Discipline or Category of Testimony | Period of Time in Which Testimony Occurred | Approximate Number of Times Testified |
| Firearm and Toolmark | 04/13/2023 | 1 |
| Firearm and Toolmark | 03/02/2023 | 1 |
| Chain of Custody | 09/10/2016 | 1 |

**Professional Affiliations:** List professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

|  |  |  |
| --- | --- | --- |
| Organization | Period of Membership | Offices or Positions Held/Dates |
| Association of Firearm and Toolmark Examiners (AFTE) | April 3, 2020- April 3, 2025 | Provisional Member |

**Employment History:** List all scientific or technical positions held, particularly those related to forensic science. **List current position first.**

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| **Job Title** | Forensic Scientist III | **Tenure** | August 2020-Present |
| **Employer** | Alaska Department of Public Safety, Scientific Crime Detection Laboratory | | |
| Provide a brief description of principal duties: | | | |
| Firearm and toolmark identification, muzzle-to-target distance determination, serial number restoration, latent print processing, evidence intake and handling, maintenance of instruments, report writing, create and revise quality assurance documents within the physical discipline, testimony, crime scene response, teaching | | | |

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| **Job Title** | Forensic Scientist II | **Tenure** | August 2018-August 2020 |
| **Employer** |  | | |
| Provide a brief description of principal duties: | | | |
| Firearm and toolmark identification, muzzle-to-target distance determination, serial number restoration, latent print processing, evidence intake and handling, maintenance of instruments, report writing, create and revise quality assurance documents within the physical discipline, testimony | | | |

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| **Job Title** | Forensic Scientist I | **Tenure** | July 2017-July 2018 |
| **Employer** | Alaska Department of Public Safety, Scientific Crime Detection Laboratory | | |
| Provide a brief description of principal duties: | | | |
| Firearm and toolmark analyst trainee, latent print processing, evidence intake and handling, create and revise quality assurance documents within the physical discipline, write reports, validations | | | |

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| **Job Title** | Forensic Technician I | **Tenure** | May 2011-July 2017 |
| **Employer** | Alaska Department of Public Safety, Scientific Crime Detection Laboratory | | |
| Provide a brief description of principal duties: | | | |
| Provide support within chemistry, breath and blood alcohol sections, evidence handling, case entry, toxicology sample preparation and submittal to outside lab, maintain breath alcohol operator database, customer service | | | |

**Other Qualifications:** List below all personal certifications identifying the issuing organization and the dates; all scientific publications and/or presentations you have authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualifications.

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| Certified Instructor, Alaska Police Standards Council – January 2021-Present  **Law Enforcement Training Provided:**  08/2023 - Crime Scene Photography, Footwear, Latent Prints, Physical Evidence Collection and Packaging, and Chemical Enhancement. Ketchikan Police Department, Ketchikan, Alaska (24 hours) 10/2022 - Crime Scene Photography, Footwear, Latent Prints, Physical Evidence Collection and Packaging, and Chemical Enhancement. ALET Academy, Sitka AK (32 hours)  09/2022- Crime Scene Processing and Advanced Crime Scene Processing, Crime Lab, Anchorage, AK (8 hours)  11/2021– Crime Scene Photography, Footwear, Latent Prints, Physical Evidence Collection and Packaging, and Chemical Enhancement. ALET Academy, Sitka AK (32 hours)  09/2021 – Crime Scene Processing and Advanced Crime Scene Processing, Crime Lab, Anchorage, AK (24 hours)  05/2021 – Crime Scene Photography, Footwear, Latent Prints, Physical Evidence Collection and Packaging, and Chemical Enhancement. ALET Academy, Sitka AK (32 hours)  **Manufacturing Tours**  Colt Manufacturing LLC 4/20/2018  Connecticut Shotgun Manufacturing Co. 4/19/2018  Standard Manufacturing Co. LLC 4/19/2018  Charter Arms Corp. 4/19/2018  Savage Arms Corp 4/18/2018  Smith and Wesson 4/18/2018  Deep River Plastics 4/17/2018  O.F. Mossberg and Sons 4/17/2018  Lyman Products 4/16/2018  Drill Master Inc. 4/16/2018  Springfield Armory 3/23/2018  Mayhew Tool 3/22/2018  Yankee Hill Machine Co. 3/22/2018  Kahr Arms 3/21/2018  Sig Sauer Inc. 3/20/2018  Sturm, Ruger and Co. 3/19/2018  Remington Ammunition 2/20/2018 |