
EDUCATION

2014 **Bachelor of Science, Criminal Justice Administration**
University of Phoenix

EXPERIENCE

December 2025
to Present **Engineering Design & Testing Corporation**
Cherry Hill, New Jersey
Principal Fire Investigator
Responsible for investigating fire and explosion incidents in commercial, residential, industrial facilities, automobiles, heavy equipment, and marine conveyances. On board new fire investigators and assist with recruiting of employees. Developed a strong client relationship and expanded fire origin and cause team in the northeast region.

2024
to 2025 **ProNet Group, Inc**
Senior Fire Investigator
Responsible for investigating fire and explosion incidents in commercial, residential, industrial facilities, automobiles, heavy equipment, and marine conveyances. On board new fire investigators and assist with recruiting of employees. Developed a strong client relationship and expanded fire origin and cause team in the northeast region.

2020
to 2024 **J.S. Held LLC**
Senior Investigator
Responsible for investigating fire and explosion incidents in commercial, residential, industrial facilities, automobiles, heavy equipment, and marine conveyances. Manage evidence storage facility, on board new fire investigators and assist with recruiting of employees. Attended speaking engagements with clients and marketing events. Developed a strong client relationship and expanded fire origin and cause team in the northeast region.

2018
to 2020 **Rimkus Consulting Group**
Fire Consultant
Responsible for investigating fire and explosion incidents in commercial, residential, industrial facilities, automobiles, heavy equipment, and marine conveyances.

2015
to 2018

Earley Consulting, LLC

President/ Fire Protection Consultant

Owner and operator of the small fire and life safety consulting firm in New Jersey, develop fire safety management plans and evacuation policies and procedures, conduct origin and cause investigation, provide consulting service for required fire protection systems.

2006
to 2018

**City of New Brunswick Fire Department N.J.
New Brunswick, New Jersey**

Fire Inspector/ Fire Investigator

Conducted fire inspections in accordance with the New Jersey Uniform Fire Code. Also, acted as city fire official as needed. Conducted origin and cause investigations to determine the cause of fires in municipality. Trained new firefighter recruits in fire safety and fire investigation awareness and the teamwork concept in fire investigations and fire inspections

2015
to 2018

**Global Spectrum CURE Insurance Arena
Trenton, New Jersey**

Fire Safety Manager

Oversaw events in accordance with fire & life safety code for a 10,000-seat arena. Oversaw indoor pyro techniques display, and theatrical displays. Air quality monitoring for indoor auto events. Fire Safety Liaison to state fire marshal office. Work with other safety managers from traveling venues.

EXPERIENCE

Legal Testimony

Dynamic Solutions vs. Allstate Insurance (Holoman Residential Fire) May 26,2021

Jurisdiction: Federal Court in Pennsylvania

Activity: Testimony at deposition

Presented fire origin and cause testimony at deposition on fire investigation in a single-family residential structure.

Tyler Mill Road Towing v. Champion Homebuilders, Et Al. July 20, 2021

Jurisdiction: State of New Jersey, Gloucester County Court.

Activity: Testimony at deposition

Presented fire origin and cause investigator testimony to area of origin and cause to the fire involving a modular home secured to a trailer.

Maxey vs Maserati, on February 8, 2024

Provided fact witness information-based testimony on fire in single family residence.

PROFESSIONAL CERTIFICATIONS, REGISTRATIONS & LICENSES

Certified Fire Investigator, International Association of Arson Investigators IAAI-CFI(V) 17-030732

Motor Vehicle Endorsement 2020

Marine Endorsement 2025

Certified Fire Protection Specialist, National Fire Protection Association 3912

Certified Fire and Explosions Investigator (CFEI), National Association of Fire and Explosion Investigators 11975-7759

State of New Jersey Firefighter Level I

State of New Jersey Firefighter Level II

State of New Jersey Fire Official

State of New Jersey Fire Instructor Level I

State of New Jersey Fire Investigator

NFPA Hot Work Safety Certificate Program 0353834

Crowd Management Training Certification, 2018

PROFESSIONAL MEMBERSHIPS

National Association of Fire Investigators 2009

International Association of Arson Investigators 2009

New Jersey Chapter of IAAI 2008

Texas Chapter of IAAI 2018

Middlesex County Fire Prevention and Protection Association 2009

TECHNICAL COMMITTEES

- Technical Committee Liquefied Petroleum Gases (LPG-AAA) Principal NFPA 58, 12/7/202-Present
- Technical Committee Hot Work Operations (HWO-AAA), Principal NFPA 51B 04/2017-5/2018-12/2018-Present.
- Technical Committee Fire Marshal Professional Qualifications (PQU-FMA) Principal, NFPA 1037 4/20/2020-Present.
- Technical Committee Fire Safety and Emergency Symbols (FIS-AAA), Principal NFPA 170 10/2014-05/15/2018-10/2020-Present
- Technical Committee Building Standard for Facilities Safety Director Professional Qualifications (BLF-AAA), Principal NFPA 1082 08/2015-05/15/2018.
- Technical Committee Data Exchange for the Fire Service (DAT-AAA), Principal NFPA 950, NFPA 951 04/2017-05/15/2018

- Technical Committee Garages and Parking Structures (GAR-AAA), Principal NFPA 88A 04/2017-05/15/2018
- Technical Committee Transportation of Flammable Liquids (TRA-AAA), Principal NFPA 385 04/2017-05/15/2018

PUBLICATIONS

"White Paper, JS Held on Hot Work: Responsibilities, Managing Hazard & Identifying Alternatives. September 2021

Magazine Article, Sparks fly: Understanding the hazards of hot work safety, Fire and Safety Journal of Americas, May 10, 2024

PRESENTATIONS

- Fire Investigation: From Ignition through Trial
- New Jersey Bar Association, New Brunswick New Jersey June 2011
- Fire Investigation: Fire Investigation Awareness
- Morris County Fire Academy September 2014 NBFD Fire Recruit Class
- Fire Investigation: Fire Investigation Awareness
- New Brunswick NJ NBFD Fire Recruit Class November 2016
- New Jersey Apartment Association, "What the fire inspector looks for" 2016.
- IREM Tri-State, "What the fire inspector looks for" 2016.
- The National Fire Protection Association, Annual Conference and Expo, NFPA 51B Hot Work Presentation. 2023

CONTINUING EDUCATION

National Fire Academy / United States Fire Administration

- Fire Investigation Unit Manager (2014) Pilot Class Online Tested
- Leadership strategies for Community Risk Reduction (2010) 40 Hours
- Juvenile Fire Setter Intervention Specialist Level II (2009) 40Hours
- Forensic evidence Collection (2009) Pilot Course 40 Hours

- Interview/Interrogation Techniques and Courtroom Testimony (2008) 80 Hours
- Analysis for Arson Management (2008) 40 Hours
- Juvenile Fire Setter Intervention Specialist Level I (2007) 24 Hours
- Fire Dynamics – Fire Modeling (2007) 80 Hours

New Jersey Department of Criminal Justice

- Basic Course for Fire / Arson Investigators (May 2007) 120 Hours Tested

New Jersey Chapter of International Association of Arson Investigators / IAAI ITC

- 2026 AGM NJ-IAAI Photography for the Fire Scene Investigator March 6, 2026, 4 hours Tested.
- 2026 AGM NJ-IAAI Complex Fire Investigations March 5 2026, 4 Hours Tested.
- 2026 AGM NJ-IAAI Harnessing A.I. in Fire Investigations, March 5, 2026, 4 Hours Tested.
- 2026 AGM NJ-IAAI Challenges to Expert Qualifications, Methodology & Opinions March 4, 2026 4 Hours Tested.
- 2026 AGM NJ-IAAI Timeline Analysis for Fire Investigators March 4, 2026 4 Hours Tested.
- 2025 ITC (Atlantic City NJ) Advanced Concepts in Self Heating Fires- Case Studies, April 10, 2025, 4 hours Tested.
- 2025 ITC (Atlantic City NJ) Lithium-Ion Batteries: Design, Construction, Failure and Fire Causes, April 10, 2025, 2 Hours Tested.
- 2025 ITC (Atlantic City NJ) Beyond Flashover- Large Compartment Fire Dynamics, April 10, 2025, 2 Hours Tested.
- 2025 ITC (Atlantic City NJ) Effective Methods of Processing Forensics Evidence of Burned Humans Remains, April 10, 2025, 2 Hours Tested.
- 2025 ITC (Atlantic City NJ) Case Studies in Forensic Fire Protection Engineering April 10, 2025, 2 hours Tested.
- 2025 ITC (Atlantic City NJ) Arson-Inside the Mind, April 10, 2025, 4 Hours Tested.
- 2025 ITC (Atlantic City NJ) Marine Fire Investigations- basic, fire dynamics and case studies, April 10, 2025, 4 Hours Tested.
- 2025 ITC (Atlantic City NJ) Awards Committee Meeting April 10, 2025, 1 Hours Tested.
- 2025 ITC (Atlantic City NJ) Range Top Fires April 10, 2025, 2 Hours Tested.
- NJ IAAI 2023-Mid-Year Training, 1/2/2024 8 Hours Tested.

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- NJ-2023-Emerging and Enduring Issues, OSINT in Tactical Investigations, Hypothesis Development in Fire Investigation, March 9, 2023, 20 Hours Tested.
 - NJ-2022-Morden Day Case studies, Your O and C report and Lithium Batteries, Marh 15, 2022, 20 Hours Tested.
 - NJ 2020-Latest Concepts in Fire Investigation/Seton Hall 20 years later, March 23, 2020, 20Hours tested.
 - NJ 2018 Witness Driven Cases/ Understanding Ventilation March 7-9: 2018, 20 hours tested.
 - NJ NFPA 1033-2017, November 13, 2017, 6 hours.
 - Cooperative Efforts in Multi Agency Fire Investigations March 2017
 - Quality Deposition / O & C and Investigator Safety Involving Solar October 2016
 - Fire Pattern Genesis and Persistence December 2015
 - Establishing Viable and Persuasive Theories in Forensic Investigations March 2015
 - Burn to Learn March 2015
 - NJ Digital Forensics Oct 9, 2014
 - 2014 NJ Marine Fire Investigation Class (June 3rd, 2014) 16 Hours Tested.
 - AGM "Industry Standards" (March 5th 7th 2014) 18 Hours
 - Electrical Aspects of Fire Investigation (October 2, 2013) 8 Hours
 - AGM "Solving Cases via Testing, Cooperation and Clues in Social Media"
 - (March 6t-h 8th 2013) 18 Hours
 - Annual Training Conference and Meeting (March 2012) 16 Hours
 - Annual Training Conference and Meeting (March 2011) 16 Hours
 - NJ IAAI "Preparing the Expert Report" (September 13, 2010) 8 Hours.
 - AGM "Critical Decisions & Success in the Court Room (March 3- 5, 2010) 20Hours
 - Annual Training Conference and Meeting (March 2009) 16 Hours

International Association of Arson Investigators (IAAI) –CFITrainer.net

- NFPA 1033 and Your Career 2025, Febuary 26, 2026, 3 Hours Tested.
- Origin and Cause Hypothesis Testing Methods January 19, 2025, 3 Hours Tested.
- Origin and Cause Hypothesis Testing Fundamentals Decemebr 23, 2025, 3 Hours Tested.

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- Lightning Fire Cause Investigation September 15, 2025, 3 Hours Tested.
 - Lightning Behavior Fundamentals August 4, 2025, 3 Hours Tested.
 - Ignitable Liquid Detection Canine Teams July 8, 2025, 3 Hours Tested.
 - Alternative Fuel Vehicles March 11, 2025, 3 Hours Tested.
 - Fatal Fires: Investigation December 16, 2025, 3 Hours Tested.
 - Fire Effects Part 2: Combustion By-Products Effects, December 13, 2025, 3 Hours Tested.
 - Fire Effects Part 1: Heat Effects on Fuels, December 12, 2025, 3 Hours Tested.
 - Fatal Fires: Fire effects on the Body, December 10, 2025, 3 Hours Tested.
 - Site Safety: PPE Donning and Doffing December 3, 2025, 3 Hours Tested.
 - Commercial Kitchen Fires 2: Investigations December 3, 2025, 3 Hours Tested.
 - Commercial Kitchen Fires 1: Fundamentals December 3, 2025, 3 Hours Tested.
 - Fire Investigation for the Insurance Industry, January 9, 2024, 31 Hours Tested.
 - Fire Investigation Safety, January 9, 2024, 29 Hours Tested.
 - Personal Protective Equipment for Post-Fire Scenes, January 9, 2024, 3 Hours Tested.
 - Photovoltaic Cells & Systems, January 9, 2024, 3 Hours Tested.
 - Marine Fire Investigation, September 23, 2022, 32 Hours Tested.
 - Electric & Hybrid Vehicles Fires, March 22, 2022, 3 Hours Tested.
 - Lithium-Ion Battery Fires, January 26, 2022, 3 Hours Tested.
 - Electric & Hybrid Vehicle Design Basics, January 26, 2022, 3 Hours Tested.
 - Emerging Technologies in Fire Investigation, October 21, 2021, 3 Hours Tested.
 - Introduction to Appliances, October 20, 2021, 3 Hours Tested.
 - Preventing Occupational Exposures to Carcinogens at the Fire Scene, October 8, 2020, 3 hours tested.
 - Fire Investigation for Fire Officers, January 14, 2020, tested.
 - Fire Flow Analysis, October 25, 2019, 3 hours tested.
 - Understanding Undetermined, June 24, 2019, 3 hours tested
 - Critical Evaluation and Testing of Commonly Reported Accidental Causes, June 24, 2019, 3 hours tested.
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- Charting Your Career Path in Fire Investigation, April 15, 2019, 3 hours tested.
 - Knowledge 1 Motor Vehicle Fires Tier 1, July 3, 2018.
 - Introduction to Fire Dynamics and Modeling, January 30, 2018, 3 hours tested.
 - Legal Aspects of Investigating Youth-Set Fires, January 1, 2018, 3 hours tested.
 - Investigating Fire and Explosion Incidents Involving a Line-Of-Duty Death, December 26, 2017, 3 hours tested.
 - Fire Chemistry, December 26, 2017, 3 hours tested.
 - What the Insurance Professional Needs to Know About Fire Investigation, December 26, 2017, 3 hours tested.
 - Investigating Natural Gas Systems, December 26, 2017, 3 hours tested.
 - Discovery in Civil Cases, November 24, 2017, 3 hours tested.
 - Discovery in Criminal Cases, November 24, 2017, 3 hours tested.
 - Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems, June 11, 2017, 3 hours tested.
 - Introduction to Youth-Set Fires, May 14, 2017, 3 hours tested.
 - Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems, May 5, 2017, 3 hours tested.
 - Thermometry, Heat, and Heat Transfer, May 5, 2017, 3 hours tested.
 - Residential Natural Gas Systems, November 28, 2016, 3 hours tested.
 - Understanding the Fire Investigator's Job: A Guide for Non-Investigators November 27, 2016, 3 hours tested
 - Ethical Duties Beyond the Fire Scene June 8, 2016, 3 hours tested.
 - Accreditation, Certification, and Certificates, November 12, 2015, 3 hours tested.
 - Explosions Dynamics, April 27, 2015, 3 hours tested.
 - Residential Electrical Systems, March 25, 2015, 3 hours tested.
 - Wildland Fire Investigation, March 13, 2015, 3 hours tested.
 - Establishing Viable and Persuasive Theories in forensic investigations. Match 13 2015 3 hours tested.
 - The deposition Part 2, March 11, 2015, 3 hours tested.
 - Writing the initial origin and cause report, February 20, 2015, 3 hours tested.
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- The Deposition Part 1, February 2, 2015, 3 Hours Tested.
 - NFPA 921 and 1033 2014 Editions Important Revisions, December 1, 2014, 3 Hours tested.
 - Fire Protection Systems August 26, 2014, 3 hours tested.
 - The Practical Application of the Relationship Between NFPA 1033 and 921 August 26, 2014, 2 Hours Tested.
 - NFPA 1033 and Your Career August 26, 2014, 2 Hours Tested
 - Communicating the Value of Membership in the I.A.A.I. August 22, 2014
 - Process of Elimination August 22, 2014, 3 Hours Tested
 - Basic Electricity May 23rd, 2014, 4 Hours Tested.
 - Ethics & Social Media January 3, 2014, 3 hours Tested.
 - Using Recourses to validate your Hypothesis June 17, 2013, 2 hours Tested.
 - How First Responders Impact the Fire Investigation April 1, 2011, 3 hours Tested
 - DNA April 1, 2011, 3 hours Tested.
 - Search and Seizure January 26, 2011, 4 hours Tested.
 - Electrical Safety November 3, 2010, 3 hours Tested.
 - Fundamentals of Interviewing November 3, 2010, 4 hours Tested.
 - Fundamentals of Residential Building Construction June 7, 2010, 3 hours Tested.
 - Evidence Examination: What Happens at the Lab February 2, 2010, 4 hours Tested.
 - Insurance and the Fire Investigation January 27, 2010, 4 hours Tested.
 - Preparation for the Marine Fire Scene January 27, 2010, 4 hours Tested.
 - The HAZWOPER Standard January 11, 2010, 4 hours Tested.
 - Effective Investigation and Testimony September 14, 2009, 3 hours Tested.
 - Arc Mapping Basics August 20, 2009, 4 hours Tested.
 - Motive, Means, and Opportunity: Determining Responsibility in an Arson Case July 1, 2009, 4 hours Tested.
 - Post-flashover Fires December 11, 2008, 4 hours Tested.
 - Fire and Explosion Investigations: Utilizing NFPA 1033 and 921 November 26, 2008, 4 hours Tested.
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- A Ventilation –Focus Approach to the Impact of Building Structure and Systems on Fire Development September 3, 2008, 4 hours Tested.
 - Vacant and Abandoned Building: Hazards and Solutions August 6, 2008, 4 hours Tested.
 - Managing Complex Fire Scene Investigations July 21, 2008, 4 hours Tested.
 - Introduction to Evidence May 22, 2008, 4 hours Tested.
 - Investigating Fatal Fires May 22, 2008, 4 hours Tested.
 - Understanding Fire Through the Candle Experiments May 22, 2008, 4 hours Tested.
 - MagneTek: A Case Study in The Daubert Challenge May 14, 2008, 2 hours Tested.
 - Documenting the Event May 22, 2008, 4 hours Tested.
 - Physical Evidence at the Fire Scene December 31, 2007, 4 hours Tested.
 - Critical Thinking Solves Cases December 31, 2007, 4 hours Tested.
 - Investigating Motor Vehicle Fires February 18, 2007, 4 hours Tested.
 - The Scientific Method for Fire and Explosion Investigation September 11, 2006, 3 hours Tested.
 - Ethics and the Fire Investigator July 23, 2006, 3 hours Tested.