



Curriculum Vitae

Andrew Rynda
Mechanical Engineering Specialist

Professional Practice

Andrew Rynda is experienced in building mechanical systems including HVAC, plumbing, building automation, fire protection, and fuel gas systems. He has investigated fire, explosion, and carbon monoxide incidents related to mechanical systems and equipment. Andrew is an E.I.T. with a Bachelor of Mechanical Engineering Degree.

Employment History

Mechanical Engineering Specialist – Crane Engineering

Plymouth, MN • 2017 – Present

Specializes in building mechanical systems. Performs analysis related to the failures of mechanical systems and design. Provides investigation and litigation support for fire and explosion incidents related to fuel gas systems.

Mechanical Designer – Wold Architects and Engineers

St. Paul, MN • 2015 - 2017

Provide mechanical design for publicly bid projects including fire, police, correctional facility, auto maintenance and garage, office, and school buildings. Involved in project design development, construction documents, and construction administration related to HVAC, plumbing, fire protection, and building automation systems.

Manufacturing Technologist – Ironwood Electronics

Eagan, MN • 2014 - 2015

Develop and improve manufacturing processes for electrical test sockets and adapters. Utilize functional testing of sockets and adapters to diagnose and correct production and design flaws.

Professional Licenses

Engineer-In Training

Professional Affiliations and Honors

National Association of Fire Investigators (NAFI)

Education

Bachelor of Mechanical Engineering, University of Minnesota, Minneapolis, MN, 2012

Continuing Studies

Fire Chemistry, International Association of Arson Investigators, Inc., 2018

The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, International Association of Arson Investigators, Inc., 2018

Ethics and the Fire Investigator, International Association of Arson Investigators, Inc., 2018

OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) Technician (29 CFR 1910.120), 2018

Understanding Fire Through the Candle Experiments, International Association of Arson Investigators, Inc., 2017

NFPA 1033 and Your Career, International Association of Arson Investigators, Inc., 2017

Residential Natural Gas Systems, International Association of Arson Investigators, Inc., 2017

Accreditation, Certification, and Certificates, International Association of Arson Investigators, Inc., 2017

Discovery in Civil Cases, International Association of Arson Investigators, Inc., 2017

The Scientific Method for Fire and Explosion Investigation, International Association of Arson Investigators, Inc., 2017

Documenting the Event, International Association of Arson Investigators, Inc., 2017

Explosion Dynamics, International Association of Arson Investigators, Inc., 2017

Investigating Natural Gas Systems, International Association of Arson Investigators, Inc., 2017

Introduction to Evidence, International Association of Arson Investigators, Inc., 2017

