

# Chase (Qiyuan) Wang

P. Eng., CFEI, CCFI-C



Mississauga, Ontario

## EDUCATION

Master of Engineering, Material Science & Engineering (2018)  
University of Toronto

Bachelor of Applied Science and Engineering, Material Science & Engineering (2017)  
University of Toronto

## CERTIFICATION

Certified Fire and Explosion Investigator (National Association of Fire Investigators)  
Canadian Certified Fire Investigator Level C (Canadian Association of Fire Investigators)

Professional Engineer (Professional Engineers Ontario)

Professional Engineer (Association of Professional Engineers and Geoscientists of Alberta)

Professional Engineer (Engineers and Geoscientists British Columbia)

X-Ray Fluorescence Operator (National Resources Canada)

## PROFESSIONAL ASSOCIATIONS

National Association of Fire Investigators (Member)

Canadian Association of Fire Investigators (Member)

Professional Engineers Ontario (Member)

Association of Professional Engineers and Geoscientists of Alberta (Member)

Engineers and Geoscientists British Columbia (Member)

## PROFESSIONAL EXPERIENCE

Chase is a Forensic Engineer and Certified Fire and Explosion Investigator with five years of experience. He has a bachelor's and a master's degree in engineering with a specialty in Materials Engineering from the University of Toronto. Chase has been involved in more than 300 fire investigations and 80 water loss and failure analysis investigations and has prepared more than 200 formal engineering reports.

### March 2024 to Present

Forensic Engineer and Fire Investigator, *Origin and Cause*  
Mississauga, Ontario

### April 2019 to February 2023

Forensic Engineer and Fire Investigator, *T. Smith Engineering Inc.*  
Toronto, Ontario

- Conduct on-site inspections to assess damage resulting from product, component, and material failures
- Employ non-destructive and laboratory material testing techniques to investigate failures, determine their origin and cause, and provide expert opinions through formal reports
- Specialize in investigating property damages, with extensive experience in fire and water loss investigations
- Document site conditions, executing thorough fire investigations according to NFPA 921 standards, and collecting statements and evidence from relevant parties
- Perform non-destructive and destructive evidence examinations independently and during joint investigations
- Prepare formal reports with professional engineering opinions on the origin and cause of the losses for subrogation and litigation purposes

## FURTHER EDUCATION AND TRAINING

- Training Seminar “Stay Out Of The Fire - Understanding Your Role in Complex Fire Investigations” (14 hours), Canadian Association of Fire Investigators - Chapter 006 – South Central Ontario, 2023
- Certified Fire Investigator Training (60 hours – tested), CFTrainer. Net, 2022
- NFPA 921 – Certified Fire and Explosion Investigator Training (40 hours – tested), Fire and Emergency Services Training Institute, 2021
- X-Ray Fluorescence Operator Level 1 Training (8 hours – tested), Center for Health & Safety Innovation, 2020
- Working at Heights (8 hours – tested), Infrastructure Health & Safety Association Waterloo, 2022