

Raina Chamberlain

B.Eng. MGT



1336 Sandhill Drive,
Ancaster, Ontario
L9G 4V5

EDUCATION

B.Eng. MGT, Electrical Engineering and Management, 2024
McMaster University, Hamilton ON

PROFESSIONAL EXPERIENCE

Raina is an Electrical Engineering Trainee and Fire Investigator specializing in failure analysis, and origin and cause investigation of fires. She holds a bachelor's degree in Electrical Engineering and Management from McMaster University. Raina has attended and participated in over 200 fire scene investigations and electrical failure examinations.

February 2022 to Present

Electrical Engineering, *Origin and Cause*
Ancaster, ON

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Electrical Engineering Co-op Student, *Origin and Cause*
Ancaster, ON

- Assisted with 80 fires, 10 electrical inspections, and 150 potential electrical failure examinations
- Prepared preliminary, summary, technical evaluation, and investigative reports
- Attended arson committee meetings with the Hamilton & Niagara regions
- Attended biweekly electrical team meetings to discuss working cases
- X-rayed and analysed images for points of failure
- Corresponded with fire departments and manufacturers for information

May 2021 to August 2021

Electrical Engineering Co-op – Buildings, *Stantec Consulting Inc.*
Waterloo, ON

- Created lighting designs for residential and recreational areas while taking light disturbance, safety, and conflicts into account
- Drafted schedules and single line drawings using AutoCAD and Revit
- Analyzed lighting designs for lighting levels and placement using Visual
- Prepared award letters, request for quotation forms and safety forms
- Worked on 10+ projects and attended 90+ weekly meetings to discuss deliverables and time allocation

FURTHER TRAINING AND EDUCATION

- Fire Inspector 1 – Conestoga College, Nov-Dec 2021
- NFPA 921 – IAAI, Grimsby, ON, May 2022

PRESENTATIONS

- Presentation on lithium-ion batteries at the 2023 OMFPOA Symposium