



Christian Arcuri, B.Eng., CFEI

Electrical EIT

Contact

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Education

MCMaster University, ON

2016 - 2020

Bachelor of Engineering (B.Eng.), Electrical and Biomedical Engineering

Experience

ROAR ENGINEERING
Engineering Intern (EIT)

2022– PRESENT

Conduct investigations by gathering electrical data to determine whether structure's electrical system was faulty or working properly during fire ignition and whether the electrical components were responsible for the origin of the fire/explosion.

Examine fire scenes to identify fire origins and behaviour and determine the fire spread patterns.

Develop fire test causation test programs and use microscopic imaging tools to find trace evidence on materials recovered from fires.

Report writing including proposals, data analysis, data interpretation.

Examine evidence from fires and electrical failures due to manufacturing defects to support subrogation investigations.

Maintain update knowledge of fire cases, CSA standards, building codes, fire codes and recall notices, by staying current with industry standards Electrical/Fire.

WSP
Electrical EIT – Infrastructure

2020 - 2022

Assisted engineers with electrical design and technical support for new construction and retrofits. Responsibilities include electrical system design, document quality control and assurance, and drafting.

Worked closely with team members to deliver engineering designs for multidisciplinary projects including wastewater treatment plants, pumping stations, and storm infrastructure.



Conducted assessments of municipal infrastructure facilities to evaluate the condition of assets and make design and replacement recommendations to the client based on findings.

Provide site inspection and contract administrative services during construction of infrastructure facilities.

YORK CATHOLIC DISTRICT SCHOOL BOARD
Emergency Supply Teacher – Elementary

2020

Taught and supervised elementary school students in the York Catholic District School Board.

Adapted rapidly to different teaching environments to deliver curriculum to students.

REGIONAL MUNICIPALITY OF YORK

2019

Electrical Design Technician – Transportation, Capital Planning and Delivery

York Region Intersection Upgrades - Assisted traffic systems designers to develop new designs for intersection traffic systems that complied with York Region and AODA standards. Assisted in drafting detailed traffic system intersections layouts.

York Region Road Rehabilitation - Drafted pavement marking drawings for new rehabilitated roads in York Region.

Operations Technician – Transportation, Road Maintenance and Operations

2018

Regional Road Maintenance Contracts - Assisted divisional staff with supervision and evaluation of various ongoing and completed contracted road maintenance work including Road Resurfacing, Ditching/Drainage, Catch Basin Cleaning.

Regional Road Asset Inspections - Completed detailed inspections of York Regional Road assets including culverts and signs to assess condition, quality and to ensure compliance with regulations. Drafted inspection reports and created work orders to repair and replace compromised assets.

Regional Road Asset Inspections - Assisted divisional staff with water drainage operations. Inspected potential problem locations along regional roadways, completed detailed work orders, and coordinated with Ontario One to obtain locates for drainage works sites.

SKILLS

2D Modelling – AutoCAD

3D Modelling – Revit

Lighting Analysis and Design – Visual Lighting

