# Arash Mohammadi

ELECTRICAL ENGINEER | ELECTRICAL DESIGN ENGINEER (EIT)

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## SKILLS

**Technical:** Power distribution design, Single-line diagrams, Short-circuit and coordination studies, Arc flash analysis, SKM PowerTools, AutoCAD, Revit MEP, Canadian Electrical Code, Emergency and standby power, Lighting design, Construction administration, Commissioning

## CERTIFICATIONS

· Professional Engineer (P.Eng.), Professional Engineers Ontario

## EDUCATION

**BEng, Electrical Engineering**
Harbourfront Technical University
2020

## PROFESSIONAL SUMMARY

Licensed professional engineer with six years designing power distribution for commercial, healthcare and light industrial buildings. Produces single-line diagrams, short-circuit and arc flash studies, and construction drawings to the Canadian Electrical Code. Supports projects from schematic design through commissioning and coordinates closely with architects, mechanical engineers and contractors.

## PROFESSIONAL EXPERIENCE

**Electrical Engineer** Apr 2022 — Present

*Lakeshore Building Systems Engineering* · ***Toronto, ON***

- Lead electrical design for hospital and long-term care renovations, including normal and emergency power, generators and transfer switches.
- Complete short-circuit, coordination and arc flash studies in SKM, producing labels and recommendations that clients use to set safe work procedures.
- Design power distribution for a six-storey mixed-use building in Revit, coordinating with mechanical and architectural teams to remove clashes before tender.
- Review shop drawings, answer contractor questions and attend commissioning, signing deficiency lists through to project completion.

**Electrical Design Engineer (EIT)** Jun 2020 — Mar 2022

*Harbourline Industrial Engineering* · ***Hamilton, ON***

- Designed motor control and power distribution upgrades for food and packaging plants, including MCC layouts and cable schedules.
- Prepared load calculations and utility service applications for plant expansions under the supervision of a licensed engineer.
- Surveyed existing electrical rooms on site and updated as-built drawings that had been out of date for years.