

# Joshua Green

## Electrical Engineer

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📍 London, Ontario

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🐙 [GitHub](#)

## Education

### Ph.D.

*Electrical Engineering  
Communication Systems and  
Data Networking*

*Network Security*

*Western University*

📅 Sept 2021 - Aug 2026

📍 London, ON.

### B.E.Sc

*Electrical Engineering*

*Wireless Communication*

*Western University*

📅 Sept 2016 - Apr 2021

📍 London, ON.

## Skills and Certifications

- **Smart Serve Certified**
- **Working at Heights Certified**
  - Refreshed This Year
- **Mangement Experience**
  - 3 Years
- **Customer Service**
  - 6 Years
- **Cashier Experience**
  - 3 Years
- **Automotive Experience**
  - 10 Years
- **Schematic and Part Ordering**
  - 8 Years

## Projects

- Car Transmission Swap
- Mobile Tire Change Business
- Certification of First Car
- SnowMobile Track Replacement and Maintenance
- Boat painting and motor repair
- General Car Maintenance

## Publications and Awards

- IEEE PIMRC Conference Paper Publication:  
"Shared Experiential History for Encryption Based  
Peer-To-Peer Authentication"
- 2023 Graduate Symposium Outstanding Presentation in  
Communication Systems Engineering
- Dean's List Honoree 2017-2018

## Work Experience

### Graduate Research and Teaching Assistant

**Western University** - London, ON 📅 Sept 2021 - Current

- Drive pioneering research in wireless network security.
- Engineer novel methods for Authentication and Trust Assessment
- Monitor and mark labs, midterm and final exams, and assignments for the following courses:
  - [ECE4416/4415 \(ECE Design Project Course\)](#)
    - Guide students through their final engineering project.
  - [ECE3331B \(Introduction to Signal Processing\)](#)
    - Course is heavily reliant on MATLAB and Simulink.
  - [ECE4436A \(Networking: Principles, Protocols and Architectures\)](#)
    - Linux · Socket Programming · Virtual Machines · Python
  - [ECE2236B \(Magnetic Circuits and Transmission Lines\)](#)
    - Electromagnetic Theory

### Cashier - Front End

**Sobeyes** - London, ON

- Money Handling and General Customer Service
- Handle in the sales of Alcohol - Smart Serve

### Electrical Engineering Intern (Controls)

**General Motors** - Ingersoll, ON 📅 May 2019 - May 2020

- Create original PLC program solutions using Allen Bradley PLC Software (Factory Talk, DNET, RSLogix, RSLinx),
- Departmental DNET backup during the COVID shutdown down,
- Update electrical drawings in AutoCAD and document changes.
- Cross-functional teamwork at a large scale,
- Quality defect isolation and solutions,
- Project Management (PM delegation, SAP ordering, supervising engineering projects).
- Upholding Ontario Electrical Safety Code (OESC).

### General Labourer

**City of Elliot Lake** - Elliot Lake, ON 📅 May 2017 - Aug. 2018

- Operate Grass cutting equipments such as MT's and Kabota's
- Construct structures such as swings and playground foundations.
- Cement pouring, planting, and other general labourer activities

### Shift Manager

**Mcdonald's** - Elliot Lake, ON 📅 Nov. 2013 - Aug 2016

- Manage, coach, and support crew members
- Schedule and Plan for shifts
- Make regular bank deposits, count and verify cashier tills
- Project Management (PM delegation, inventory ordering).
- Deal with customers, both happy and unhappy, and provide reconciliation measures if required