

## Name

Contact information

## Summary of Qualifications

I am an entry-level Electrical Engineer experienced in diagnosing and repairing circuitry, and who has studied network and wireless communication, as well as analog communication and power transfer. My IT competencies position me well for an entry-level design, testing and/or troubleshooting role.

## IT Competencies

Software: Matlab; Multisim; OPNET Network Simulator; ALLDATA; LabView; Spectrum Analyzer

Programming: C++; Python

Hardware: Function Generator, Digital Multimeter; Digital Storage Oscilloscope; Frequency Counter; AM/DSB/SSB generator; Pseudo-Random Binary Sequence generator

## Certifications & Licensure

A6 Electrical systems technician (National Institute for Automotive Service Excellence)

NYS Driver's License

Member of Institute of Electrical and Electronics Engineers

## Academic Projects

- Programmed bidirectional wireless channel for LED bulb featuring motion & noise detection with remote access through interactive user interface
- Implemented 3-stage amplifiers to build microphone & speaker system based on knowledge of noise filtration & accurate bandwidth set-up for optimal signal quality

## Professional Experience

**MTA NYCT Electronics Maintenance Division**

2017 - present

**Electrical Equipment Maintainer**

- Conduct electrical diagnosis on Automatic Fare Collection equipment
- Test communication systems between controller areas & respective devices
- Replace PCBs & electronics units on failed equipment

**Ozone Park Service Station**

2010 - present

**Mechanic**

- Perform general auto repairs, mechanical component failure diagnoses & complete engine/transmission overhauls on various automobiles, SUVs & trucks
- Conduct electrical diagnoses using wire schematic with utilizing digital multi-meter, power probe test lights & ALLDATA software
- Monitor feedback signals from sensors using SNAP-ON scanners & lab scopes

## Education

The City College of New York

2017

B.E. - Electrical Engineering