

# Owen Qiao

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## Objective

I am a fourth-year electrical engineering student who's passionate about power generation and distribution industry. Currently I am looking for internship or new-grad program to gain experience as well as entry for my future career.

## Education

<b><i>Institution</i></b>	York University, North York
<b><i>Major</i></b>	B.Eng. Spec. Hons. Electrical Engineering
<b><i>Expected graduation date</i></b>	Jan, 2018
<b><i>Related courses</i></b>	<p>EECS 2200 Electrical Circuits -Basic DC&amp;AC circuit analysis containing R, L, C.</p> <p>EECS 2210 Electronic Circuits and Devices -Electronic components including Op amp, diodes, MOSFET, BJT.</p> <p>EECS 2031 Software tools -C programming language and Linux shell scripting.</p> <p>EECS 2602 Signals and Systems in Continuous Time -Mathematical skills on system and signal analysis.</p> <p>EECS 3603 Electromechanical Energy Conversion -Knowledge on single/three phase transformers, DC machines, three-phase induction machines, synchronous machines.</p> <p>EECS 4613 Power Electronics</p> <p>EECS 4622 Introduction to energy systems. -Power transmission lines and distribution systems.</p> <p>ENG 4550 Control systems -Mathematical skills on control system analysis and design.</p>

## Awards received

The Gordon and Agnes (Twamley) Brash Award in Eng York

-Date awarded: Nov 25, 2015, Nov 22, 2014

University Continuing Student Scholarship

-Date awarded: Aug 14, 2014

## Highlight of skills and qualifications

<b><i>Technical skills</i></b>	<ul style="list-style-type: none"><li>● C programming language.</li><li>● Linux script and shell command.</li><li>● Knowledge and analytical skills with single and poly-phase transformers; Induction machines, synchronous machine, DC motor and generator.</li><li>● Knowledge and analytical skills with transmission lines and power distribution network.</li><li>● Power electronics that provides AC/DC conversion</li><li>● Mathematical skills on control system analysis and design</li></ul>
<b><i>Productivity skills</i></b>	<ul style="list-style-type: none"><li>● Proficiency with Microsoft Word, PowerPoint, Excel.</li></ul>

- Excellent scripting and problem solving skills with MATLAB.
- Ability to analyze circuit performance with Function generator and Oscilloscope.
- Experience with PSSE Xplore.
- Experience with Cadence IC designer

### ***Soft Skills***

- Excellent communication and teamwork skills.
- Time management skills and multi-tasking ability.
- Ability to create concise and informative technical reports.

### **Activities/involvement**

#### ***CSDC Satellite project***

CSDC, York University, 2016- present

Power board design verification and layout design

Payload application programming

Serial port and communication port programming

#### ***Excel Lasonde tutoring***

Lasonde Student Government, York University, 2014-2015

Tutoring first and second-year courses

Carry out interviews to recruit new tutors

Create posters and do in-class announcements to advertise our service

#### ***Electrical Engineering Club for Students***

Job Title: Vice Present

Help to create the constitution.

Help organizing events.