# Kuanghua Qiao

Mississauga, L5R 3V9

647-220-5668, qiaokuanghua@gmail.com

## Objective

I am an electrical engineering student who's passionate about the electronics industry. Currently, I am looking for entry level job to gain experience as well as an entry for my future career.

## Education

**B.Eng. Spec. Hons. Electrical Engineering**

York University, Toronto                                                                 June 2019

- The Gordon and Agnes (Twambley) Brash Award in Eng York                  Aug 2014
- University Continuing Student Scholarship                          Nov 2015, Nov 2014

## Highlight of skills and qualifications

- C，C# and Java programming language
- Github and .NET Core
- Unity game engine and C# script
- Unix/Linux shell scripting and software development
- Knowledge of data structure
- MATLAB, Simulink
- LabView
- PCB design with Altium Designer, Orcad Pspice
- Cadence IC design kit and Verilog
- Basic digital logic design and MIPS CPU architect
- Knowledge of integrated analog circuit design
- Continuous and discrete signal and system analysis
- Control system analysis
- Embedded Systems Development, IoT (internet of things), BLE (Bluetooth low energy)
- Analytical and debugging skill with function generators and oscilloscopes
- Knowledge of power electronics
- Microsoft Word, PowerPoint, Excel
- Excellent communication and teamwork skills
- Ability to create concise and informative technical reports

## Experiences

**Creative manager, Student tutor at Excellassonde                               2014-2015**
**(A peer tutoring service under Lassonde Student Government)**

- Created and distributed posters for our tutoring service. Doing announcements to students before lectures to publicize our service.
- Provided tutoring service to students who booked an appointment for some first and second-

year courses such as physics, Java, and C etc.

- Prepared and conducted interviews to recruit new tutor for our organization.

**Vice President at Electrical Engineering Club for Students**　　　　　**2014-present**

- Founded the club by creating the club constitution, registering the club with SCLD and YFS and recruiting the first executive team.
- Settled location, time and contacted club members for general meetings each semester.
- Attended annual meetings with YFS and SCLD, and weekly meeting with LSG.
- Provided support for events such as C Programming Tutorial, Armature Radio Building, and other various club projects.

**Power System Developer at CSDC (Canadian Satellite Design Competition)**　　**2015-present**

- Used Altium Designer to create an integrated library, circuit schematic, and PCB layout for satellite solar panels.
- Verified and redesigned the power regulation board from a previous project QB50.
- Participated in writing applications for satellite's Onboard Computer and gained a good knowledge about NASA open source flight control software—Core Flight Executive.
- Prepared presentation and tutorials for new members of the team.

**Lab monitor at Lassonde School of Engineering York University**　　　　**2017-2018**

- Managing device rentals to students and York employees.
- Enforcing lab regulations.
- Monitor and report any machine malfunctioning.
- Opening and closing inventory when the lab opens or closes.

**Research Assistant at BioSA Lab York University**　　　　　　　**2018-present**

- Designed a wireless human-computer interaction glove while can command a computer with gestures.
- Built the hardware assembly of the glove.
- Programmed the embedded system with Arduino IDE.
- Wrote C# client that handles the sensor data on a computer.
- Formulate and executed test cases for the complete system.