Kuanghua Qiao

Mississauga, ON, L5R 3P5 | 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 an entry-level job to apply my skills and expertise.

# Education

## B.Eng. Spec. Hons. Electrical Engineering | Oct 2018 | York University

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

# Skills and qualifications

* Java, C, C#, .NET Core, Python
* Unix/Linux shell scripting and software development
* Knowledge of data structure
* Operating system and multithreaded programming
* MATLAB, LabView, Simulink
* 4-layer PCB Design with Altium Designer
* Surface-mount soldering with hot air
* Verilog, VLSI, Cadence
* CPU architecture and MIPS assembly language
* Embedded systems software development
* Siemens NX motion and thermal simulations
* Microsoft Word, PowerPoint, Excel
* Debug, Problem-solving and analytical skills
* Ability to create concise and informative technical reports

# Experiences

## Creative manager | Excellassonde | 2014-2015

* Advertised our tutoring service by creating and distributing posters and doing announcements before lectures.
* Worked as a peer tutor on first and second- year courses such as physics, Java, and C etc.
* Prepared and conducted interviews to recruit new peer tutors for our organization.

## Electrical SUBSystem Developer | CSDC (Canadian Satellite Design Challenge) | 2015-present

* Designed the layout of satellite solar panels.
* Prepared presentation and tutorials for new members of the team.
* Took part in the modification of various electrical subsystems of the satellite.

## Research Assistant | BioSA Lab York University | 2018-2019

* Designed and developed a wireless gesture recognition glove with IoT products.
* Designed and developed a breath rate sensing system for small animals with IoT products.
* Got familiar with wireless technologies such as BLE, Wi-Fi, TCP, HTTP.
* Designed and developed a testing platform for a bio-sensor IC with Arduino and custom PCB.
* Managed BOM files and ordered PCB and components from manufacturers and suppliers
* Assemble the PCB with hot air rework station which includes 0603 passive components and DFN6 ICs.
* Gained experience with various serial communication protocols such as SPI, UART.