Kuanghua Qiao

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# 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 | Feb 2019 | 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#, and .NET Core
* Entry level data analysis and digital signal processing with Python
* Unix/Linux shell scripting and software development
* Knowledge of data structure
* Operating system and multithreaded programming
* MATLAB, Simulink
* VI design with LabView
* PCB design with Altium Designer
* Surface-mount soldering
* Embedded software development with Arduino IDE and Atmel studio
* Embedded systems wireless communication
* Digital IC design with Cadence EDA tools
* CPU architecture and MIPS assembly language
* NX motion and thermal simulations
* Microsoft Word, PowerPoint, Excel
* Debug, Problem-solving and analytical skills

# 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 System 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-present

* Designed and implemented wireless embedded systems with IoT products.
* Gained experience with various serial communication protocols such as SPI, UART.
* Got familiar with network protocols such as TCP, HTTP.
* Designed a PCB with Altium Designer and manufactured it at a PCB foundry.
* Tested and assembled the PCB which includes 0603 and DFN6 packages.