Kuanghua Qiao

Mississauga, ON, Canada | 647-220-5668 | qiaokuanghua@gmail.com

Sep 10th, 2019

Doug Smith

Kepler Communications

Toronto, ON

Re: Hardware Engineer Intern  
  
Greetings Mr. Smith：

Please accept this resume as my formal application for employment with Kepler Communications.

I am an Electrical Engineering graduate from York University, with a focus on Embedded Systems. My interest in CubeSat was fueled by my desire to build spacecraft and talent for tinkering. That is why Kepler Communications would be a desirable place for me to grow.

During my year at York University, I have participated in multiple satellite and circuit design project. The first time I was involved in satellite design was in QB50 where I was mostly involved in software development and battery testing. After that part of the design of the QB50 satellite was inherited by CSDC YorkU branch. There I was responsible for solar panel PCB routing. My experience as a research assistant includes programming various microcontrollers for bio-medical applications. The most recent project involves designing a 4-layer PCB as a test platform for a capacitive biosensor. Up till now, I have experience with all stages of PCB prototyping process: designing, manufacturing, and testing. The type of circuit I am most familiar with is the power supply module. I can handle most type of hand soldering. The most difficult chip I have soldered was in a DFN6 package. In addition, I am familiar with programming peripherals for most of the microcontrollers including I2C, SPI, and PWM. I can also create desktop applications for data acquisition purposes.

My accomplishments are derived from my strong work ethic, passion to learn, and absolute dedication to my job. I have the ability to work independently with confidence and in team settings, knowledge of electrical engineering principles, and experience writing professional reports such as proposals and process documents.

As you can see, my interest in CubeSat and my excellent skill in both hardware and software would make me an excellent addition to your company. I will be my honor to be able to work with Kepler Communications, and I am looking forward to your reply.

Yours sincerely,

Kuanghua Qiao