

Kuanghua Qiao

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The Hiring Team
IMAX Corporation
Toronto, ON

**Re: Electrical Engineering Summer Intern
The IMAX hiring team :**

I am writing to reply to this electrical engineering summer intern position that found on glassdoor.ca. I am attracted to this position for the potential to improve my PCB design skills with Altium Designer. I have a wide variety of experience with electronics ranging from programming to PCB design and even IC design, with my learning skills and a bit of guidance, I can tailor myself to your need as well.

As an electrical engineering student, I gained my experience with Altium designer and PCB design in various club and research projects. I participated in designing the electrical sub-system in a satellite for Canada Satellite Design Challenge, which includes a power distribution system, an onboard computer, an attitude control subsystem, and a communication system. During which I gained experience on how to create integrated libraries, schematic, PCB layouts and fabrication files in Altium Designer. Although, our satellite was not fully functional we learned numerous lessons over PCB design as well as overall satellite design. In a later research project, I further applied the knowledge from previous projects and designed a 4-layer PCB to provide power and signal isolation for a bio-sensor chip under test. The PCB went through one revision. During that revision, I troubleshoot the PCB with a multimeter and a digital analyzer. The second version of the PCB was fully functional which demonstrated my talent and ability to design and test PCBs.

Above all, I am a person who enjoys building and testing various new electronic devices and tries out technologies. Although I have already graduated, I have already gained sufficient knowledge in my field and I'm not very demanding on how much I get paid. So, contacted me if you are interested.

Yours sincerely,

Kuanghua Qiao