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The recruitment manager

Ecobee

Toronto, ON

Re: IoT Research Engineer  
  
The recruitment manager：

I am writing to reply to this IoT Research Engineer position that got recommended by one of my friends. I am attracted to this position for the IoT technology and eco-friendly concept provided by your company. I have a wide variety of experience with electronics ranging from programing to PCB 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 have experience with C and Java programing language in various course works, as such I will be able to pick up C++ with relative ease. I have also programmed several IoT boards from Adafruit industries during my research experience. I was able to build a Bluetooth human-computer interaction glove and a Wi-fi heart rate sensing system for dogs. Now I am fully capable of establishing data link from sensor to our desktop either through Bluetooth or Wi-Fi. Finally, I participated in designing the power electronics system on the satellite, which included electrical power subsystem, onboard computer, an attitude control subsystem, and 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 lesson over PCB design as well as overall satellite design.

Above all, I am a person who enjoys fast-paced building and testing literation of electronic devices. My passion towards the Internet of Things and the goals of personal growth would make me a perfect candidate to work at Ecobee

Yours sincerely,

Kuanghua Qiao