




Andy Yun

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Dear Hiring Manager,

I came across your job posting on WaterlooWorks for the [[position]] role at [[company name]]. After carefully reviewing the posting, the company's website, and the position requirements, I believe that I am a good fit for the posted position.

I am a second-year student computer engineering at the University of Waterloo. Prior to university, I was interested in the computer hardware industry. I especially noticed my interest through relevant courses including Fundamentals of Programming, Digital Circuits and Systems, Digital Computers and Algorithms and Data Structure.

Due to the unique nature of computer hardware, it was challenging to start a related personal project. However, I was still able to gain some hands-on experiences:

- STM32 development board during my Project Studio course
- Arduino Uno and Mega for the project in 2016, funded by the Korean Ministry of Science and ICT
- ESP8266 during my secondary school coop program at the Hacksmith Industries
- Raspberry Pi 3B+ in Sunrin Internet High School's education institute for gifted from 2015 to 2017
- Raspberry Pi 3B and roboRIO in my secondary school's FIRST Robotics Club

Along with the development boards listed above, I have used several sensors and methods to focus on the algorithmic portion of computer hardware and interact with the real world to create valuable products. I have experience with the following attachments and more:

- Ultrasonic sensors to measure and map the surrounding environments
- Camera to detect the desired path for the autonomous operation of a robot
- Transistors and relay to control higher voltage circuits with low-powered embedded devices
- Zigbee detects the precise location of the device and controls one using the location information uniquely

As a candidate for a Bachelor of Applied Science in computer engineering, I have been practicing both software and hardware skills. Because I am not only learning the school materials but investing my personal time to gain as much experience in the field, I believe that I will be a perfect fit for the [[position]] role at [[company name]]. I will be greatly pleased to work with bright-minded individuals and teams at [[company]] and to bring my qualities to the company. I look forward to hearing from you soon. Thank you for your consideration

Sincerely,
Andy (Hongjun) Yun