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.