

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 | OCT 2018 | 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
- Analog and Digital circuit design with Cadence EDA tools
- CPU architecture and MIPS assembly language
- Embedded Systems Development, IoT, BLE
- Microsoft Word, PowerPoint, Excel
- Test-driven development approach
- Debug, Problem-solving and analytical skills
- Excellent communication and teamwork skills
- Ability to create concise and informative technical reports

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.

VICE PRESIDENT | ELECTRICAL ENGINEERING CLUB FOR STUDENTS | 2014-2018

- Co-founder the of the club.
- Participated in the creation of the constitution, club registration, and other various administrative tasks.
- Provided logistic support for events such as C Programming Tutorial, Armature Radio Building, and other various club projects.

ELECTRICAL SYSTEM DEVELOPER | CSDC (CANADIAN SATELLITE DESIGN CHALLENGE) | 2015-PRESENT

- Designed the satellite solar panel.
- Prepared presentation and tutorials for new members of the team.
- Took part in the modification of various electrical subsystems of the satellite.
- Participated in the vibration test at David Florida Laboratory CSA.

LAB MONITOR | YORK UNIVERSITY | 2017-2018

- Managed device inventory and rentals to York students and employees.
- Enforced lab regulations.
- Monitored and reported any machine malfunctioning.

RESEARCH ASSISTANT | BIOSA LAB YORK UNIVERSITY | 2018-PRESENT

- Designed and implemented wireless embedded systems with IoT products
- Formulated and executed test cases to verify system performance.
- Gained experience with various serial communication protocols such as I2C, SPI, UART
- Got familiar with wireless technologies such as BLE, TCP, HTTP.