Kuanghua Qiao
ON, Mississauga, L5R 3V9
(647) 220-5668
qiaokuanghua@gmail.com
linkedin.com/in/kuanghua-qiao-888558a9

Dec 17th, 2017

The Hiring Manager
Aquova Inc
Re: Embedded Systems Engineer

Dear Hiring Manager

I am an electrical engineering student at York University. And I'm very interested in this Embedded System Engineer position I found on Indeed website with Aquova Inc. I believe my education and skills align perfectly with your company's need.

As an electrical engineering student with strong interests in electronic systems, I have a well-rounded knowledge of electrical circuit theory and analysis. Throughout my academic life, I gained knowledge over signal processing and control systems, FPGA and LabView through lab sessions and lectures. Due to the need for MATLAB in several of my courses, I'm confident that my MATLAB programming skill is unparalleled. Though Simulink is only introduced recently to my curriculum I'm sure I can be proficient with it in no time.

During my extracurricular time, I participate in York University's Canadian Satellite Design Competition team, where I design the layout for our power distribution board and solar panel using Altium Designer. Besides that, I also participated in the development of our onboard software system using the NASA open source software framework CFE.

Finally, my demonstrated quality of patience and attention to detail will provide an invaluable support to the work at Aquova. I am looking forward to discussing this position in detail.

Sincerely,

Kuanghua Qiao

Mississauga, L5R 3V9 Phone 647-220-5668
E-mail
qiaokuanghua@gmail.com

Kuanghua Qiao

Objective

I am a fourth-year electrical engineering student who's passionate about electronics industry. Currently I am looking an entry level job to gain experience as well as entry for my future career.

Education

Institution	York University, North York
Major	B.Eng. Spec. Hons. Electrical Engineering
Expected graduation date	Feb,2019

Awards received

The Gordon and Agnes (Twambley) Brash Award in Eng York
-Date Awarded: Nov 25, 2015, Nov 22, 2014
University Continuing Student Scholarship
-Date Awarded: Aug 14, 2014

Highlight of skills and qualifications

- C programming language
- Linux script and shell command
- Basic digital logic design
- Implementations of a MIPS CPU, and VLSI
- Analog circuit design
- Continuous and discrete signal and system analysis
- Control system analysis and design
- Embedded Systems
- Microsoft Word, PowerPoint, Excel
- MATLAB, Simulink
- LabView
- Altium Designer
- Analytic skill with function generator and oscilloscope.
- Siemens PSSE
- Power electronics
- Electrical machinery
- Power distribution network
- Excellent communication and teamwork skills.
- Time management skills and multi-tasking ability.
- Ability to create concise and informative technical reports.

Experiences

Creative manager, Student tutor at Excellassonde 2014-2015
(A peer tutoring service under Lassonde Student Government)

- Created and distributed posters for our tutoring service. Doing announcements to students before lectures to publicize our service.
- Provided tutoring service to students who booked an appointment on some first and second-year courses such as physics, Java, and C etc.
- Prepared and conducted interviews to recruit new tutor for our organization.

Vice President at Electrical Engineering Club for Students 2014-2017

- Founded the club by creating the club constitution, registering the club with SCLD and YFS and recruiting the first executive team.
- Settled location, time and contacted club members for general meetings each semester.
- Attended annual meetings with YFS and SCLD, and weekly meeting with LSG.
- Provided support for events such as C Programming Tutorial, Armature Radio Building and our club project Electronics vending machine.

Power Electrical System Designer at CSDC (Canadian Satellite Design competition) 2015-2017

- Used Altium Designer to create integrated library, circuit schematic, and PCB layout for satellite solar panels.
- Verified and redesigned the power regulation board from a previous project QB50.
- Wrote application to handle serial ports for satellites' Onboard Computer and gained a good knowledge about NASA open source flight control software—Core Flight Executive
- Prepared presentation and tutorials for new members on the team

List of Courses and Grades

Kuanghua Qiao
18-80 Strathaven Dr
Mississauga, ON
L5R 3V9

Update Address

This is not an official transcript.

Session	Course	Title	Grade
FW17	LE EECS 3612 4.00 E	Sensors and Measurement Instruments	
FW17	LE EECS 4214 4.00 E	Digital Communications	
SU17	AP PHIL 1100 3.00 A	The Meaning of Life	C
FW16	ES ENVS 2150 3.00 A	Environ.Technology&Sustainable Society I	C+
FW16	LE EECS 3221 3.00 Z	Operating System Fundamentals	C+
FW16	LE EECS 3611 4.00 Z	Analog Integrated Circuit Design	A
FW16	LE EECS 4613 4.00 Z	Power Electronics	C+
FW16	LE EECS 4622 4.00 Z	Introduction to Energy Systems	C+
FW16	LE ENG 4000 6.00 E	Engineering Project	C
FW16	SC PHYS 2040 3.00 A	Relativity and Modern Physics	C
FW15	LE EECS 3201 4.00 E	Digital Logic Design	B
FW15	LE EECS 3213 3.00 E	Communication Networks	B+
FW15	LE EECS 3215 4.00 Z	Embedded Systems	B+
FW15	LE EECS 3602 4.00 E	Systems & Random Processes	B+
FW15	LE EECS 3603 4.00 E	Electromechanical Energy Conversion	B
FW15	LE EECS 3604 4.00 Z	Electromagnetic theory and wave prop.	C
FW15	LE EECS 4612 4.00 Z	Digital VLSI	B
FW15	LE EECS 4641 4.00 Z	Introduction to Medical Devices	B
FW15	LE ENG 3000 3.00 E	Professional Engineering Practice	C
FW15	LE ENG 4550 3.00 A	Control Systems	C+
SU15	LE EECS 2011 3.00 A	Fundamentals of Data Structures	A+
FW14	LE EECS 1541 3.00 M	Computing for the Physical Sciences	A
FW14	LE EECS 2021 4.00 E	Computer Organization	A+
FW14	LE EECS 2031 3.00 E	Software Tools	A
FW14	LE EECS 2200 3.00 E	Electrical Circuits	A+
FW14	LE EECS 2210 3.00 Z	Electronic Circuits and Devices	A+
FW14	LE EECS 2602 4.00 Z	Signals and Systems in Continuous Time	B
FW14	LE ENG 2001 3.00 E	Eng Projs:Management, Economics & Safety	A+
FW14	LE ENG 2002 3.00 Z	Mechanical & Materials Eng	C+
FW14	SC MATH 2015 3.00 A	Applied Multivariate & Vector Calculus	B+
FW14	SC PHYS 2020 3.00 A	Electricity and Magnetism	A
FW14	SC PHYS 2211 1.00 A	Experimental Electromagnetism	B
SU14	AP ECON 1000 3.00 C	Introduction to Microeconomics	A+
SU14	AP ECON 1010 3.00 C	Introduction to Macroeconomics	A+
SU14	AP PHIL 2420 3.00 A	Human Nature	D+
SU14	SC MATH 2030 3.00 A	Elementary Probability	C+
FW13	LE CSE 1019 3.00 M	Discrete Math for Computer Science	A+
FW13	LE CSE 1020 3.00 Z	Introduction to Computer Science I	A+
FW13	LE CSE 1030 3.00 Z	Introduction to Computer Science II	A
FW13	LE EATS 1010 3.00 A	The Dynamic Earth and Space Geodesy	B+
FW13	LE ENG 1000 6.00 Z	Introduction to Engineering Design	A

FW13	LE ENG 1001 1.00 E	Technical Writing for Engineers	B+
FW13	SC CHEM 1000 3.00 C	Chemical Structure	A
FW13	SC MATH 1025 3.00 M	Applied Linear Algebra	A+
FW13	SC PHYS 1010 6.00 A	Physics	A+

This information is valid as at Dec 17, 2017 04:18 PM

Other Grade Reports

View grades, academic decisions and GPA by session:

Summer Grade Report: View your Summer grade report here

Fall/Winter Grade Report: View your Fall/Winter grade report here

Grades for Other Sessions: View a full list of your courses and grades here

Attention Undergraduate students!

Many questions you may have about grade reports will be answered by viewing our multimedia presentation called Understanding Your Undergraduate Grade Report

Students in the Faculty of Liberal Arts and Professional Studies are strongly enrocuraged to view the helpful multimedia presentation "Understanding Your Academic Standing" available here.

Here are quick answers to some of the more commonly asked questions about grades:

What do I do if I have a missing or blank grade?
Grades will be blank until they are officially reported at the conclusion of the course and, where applicable, associated exam. Grades must be reported no later than 5 business days after the exam period. If, after this time, you still have a blank fall term grade, contact your professor or the department offering the course and ask when the grade will be reported.

Can my grades change?
Grades appear incrementally as they are reported by your course instructors and/or department. Grades may change after appearing in your online grade report as a result of further review by your program, Faculty or instructor.

What does NGR mean?
NGR means No Grade Reported. Please contact your professor or the department offering the course to inquire when the grade will be reported.

What does F NGR mean?
F NGR means that a grade of F will be on your record until another grade is reported by your professor.

What do I do if a grade was reported incorrectly?
First, contact your professor to confirm the grade reported. Then, if you wish to appeal a grade, you will find information on grade reappraisals here: http://www.registrar.yorku.ca/grades/reappraisal

What do I do if my grade report says I am ineligible to continue or I want to talk with someone about my degree program options?
Contact your Faculty advising office here: http://acadresources.yorku.ca/advising/

Where do I find out more Faculty-specific information about my grade report?
Each Faculty has a grades legend here: http://www.registrar.yorku.ca/grades/legends

---

Other important information

How can I order an official transcript of my grades?
Go here: http://www.registrar.yorku.ca/transcripts for information on transcripts.