

# HANXI HUANG

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1856 Main St W, Hamilton, Ontario | 1-289-887-6794 | [huangh32@mcmaster.ca](mailto:huangh32@mcmaster.ca)

July,1, 2017

*PointClickCare*

*5570 Explorer Drive,*

*Mississauga, ON*

*L4W 0C4*

Dear Hiring Manager,

I am a Fourth-year **Computer Engineering** student at McMaster University. I was greatly interested to learn that your institution is recruiting a *Java Developer Coop* candidate to join the team and I am delighted to submit my candidacy for this opportunity. I am now energized for new challenges, and am excited about the chance to join an institution that sets standard of excellence for education. I'm available for 12 months' starting from fall, 2017.

My education experience gives me the skills I believe are necessary to be successful in this position. I have completed labs and courses in electrical circuits design, electromagnetic components, programming and signal analysis. I also have experience programming in **C, Java, Python**, and I also self-study and have basic knowledge with JavaScript, **database (SQL and MS Access)**. Besides, I have advanced skills on Microsoft suits such as Word, Excel, PowerPoint and Outlook.

I have **4 months working experience** in an Electronic Device company as a machine tester. I have great confidence that I can working in a team or I can work individually. I also have passionate in learning new knowledges and solve problems. Furthermore, I have great time-management skills and analytical skills. I would be extremely engaged in working for PointClickCare, and I believe I will be a good fit for this position. I am looking forward to meeting with you to further discuss my technical qualifications and active learning skills.

Thank you for you to take time to consider my application. I'm willing to wait your response and you can contact me by phone: **289-887-6794** or by email: **huangh32@mcmaster.ca**. Or through my co-op department **905-525-9140, extend 22571** or through **engcoop@mcmaster.ca**.

Sincerely,

*Hanxi Huang*

# HANXI HUANG

1856 Main Street West Apt 307, Hamilton, Ontario, L8S 1H9

289-887-6794

[huangh32@mcmaster.ca](mailto:huangh32@mcmaster.ca)

Projects in github: <https://github.com/huangh32>

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## QUALIFICATIONS SUMMARY

- Programming experience: **Python, C, C++, Java, MATLAB**, web design
- Computer Hardware Development: Auto CAD, FPGA, Verilog, Circuit Logic Design in Quartus II, Assembly language, OrCAD
- Basic knowledge with SQL and Java Scripts
- Extensive Microsoft Office (Word, Excel, Outlook, and PowerPoint) experiences developed through school projects
- Outstanding time-management skills and working well in team-driven environments
- Highly productive individual, quick to grasp essential procedures and protocols

## EDUCATION

*Computer Engineering Student, Math Minor*

*Expected graduation, May 2018*

McMaster University, Hamilton, Ontario

- Currently enrolled in Level 4 of a 5-year program
- Pursuing Math minor, which is focus on advanced calculus, linear algebra, and statics
- Related engineering courses: Electromagnetics, Digital System Design, Electronic Devices and Circuits, Signals and Systems, Microprocessors

## RELEVANT PROJECTS

*Microprocessor Interface Project*

*(2015 Winter Term, 2015 April)*

- Computer Engineering 2DP4-Microcontrollers. Built Analog-to-Digital convertor module by using microprocessor, with a mark of **96/100**
- Main target is to collect analog data by using **microcontrollers**
- Knowledge based on Analog to Digital conversion and serial communication. ADC is used in **embedded system** to solve the transformation from electrical signals to digital signals
- Writing technical report based on IEEE format
- Using **Matlab** to perform Analog to Digital Conversion and data display

*FPGA-Hardware Implementation of an Image Decompressor*

*(2016 Fall)*

- Computer Engineering 3DQ5-Digital System Design
- Compressed data for a 320x240 pixel image delivered to the Altera DE2 board via universal asynchronous receiver/transmitter (UART) interface from PC and stored in external SRAM. Image decoding circuitry read compressed data,
- recovered image using a custom digital circuit and stored it back to the SRAM, where the video VGA controller reads and displays it to monitors
- Strong skills on **Debugging** and **critical thinking**, collaborating with colleagues to solve problems

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### *Pacemaker System Design*

*(2016 Fall)*

- Software Engineering 3K04-Software Development
- Created robust software modules for pacemaker pulse system that will monitor and regulates a patient's heart rate
- The Pacemaker system would provide historical data on device performance. It would provide user diagnostics through analysis functions
- Gained extensive experiences on **object oriented design** and analyzing **software requirements** through the development process

### **RELEVANT WORK EXPERIENCE**

Chi Tongda Electronic Co.Ltd, Shenzhen, GuangDong Province

*Tester,*

*May 2015 – Sep 2015*

- Used **Strong Problem Solving Skills** to provide technical support to designers, marketing and sales departments, suppliers, engineers and other team members throughout the product development and implementation process
- Utilized **excellent attention to detail** to monitor functioning of equipment and make necessary modifications to ensure system operates in conformance with specifications
- Build, test, and modify product prototypes using working models or theoretical models constructed with computer simulation
- **Communicate** with colleagues and manager to analyze user needs and recommend appropriate hardware
- Testing Machines and design the basic software of alarms
- **Self-learning** knowledge about PCB board, OrCAD

Era Diabetes (Formerly KiDi SMS) Hamilton, Ontario, Canada

*Software Engineer, May 2017-Sep 2017*

- Used strong **self-learning skills** on develop mobile device game
- **Communicate** to users and employers to see what types of games they like
- Applying **JavaScript** in PlayCanvas platform to design a series of mobile game

### **Project website**

- Website to show my projects in **Github**
- Gained experience in HTML/CSS
- <https://github.com/huangh32>

**REFERENCE AVAILABLE UPON REQUEST**

## Transcript of Academic Record

Issued To:  
Hanxi Huang

Name:	Student ID No:	OEN:	Birth Day:	Print Date:
Hanxi Huang	001303296	931764625	06 July	16 January 2017

Transcript valid only if bearing the Registrar's Signature.

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### Beginning of Undergraduate Career Record

--- 2013 Fall/Winter ---

Program:	Engineering Degree Seeking
Plan:	Engineering 1 CO-OP (Year One)

### Term Enrolment

Course	Title	Attm./Earned Units	Grade
CHEM 1E03	General Chemistry: Engineer I	3.00/0.00	F
ECON 1B03	Intro:Microeconom.	3.00/0.00	D
ECON 1BB3	Intro:Macroeconom.	3.00/3.00	C-
ENGINEER 1C03	Engin Design&Graph	3.00/3.00	C+
ENGINEER 1D04	Engin Computation	4.00/4.00	C-
ENGINEER 1EE0	Engineer Coop Prm	0.00/0.00	COM
ENGINEER 1P03	Intro-Prof Engin	3.00/3.00	C+
MATH 1ZA3	Engineering Mathematics I	3.00/3.00	B
MATH 1ZB3	Engineering Mathematics II-A	3.00/3.00	B+
MATH 1ZC3	Engineering Mathematics II-B	3.00/3.00	C-
MATLS 1M03	Structure&Property	3.00/3.00	B
PHYSICS 1D03	Mechanics	3.00/3.00	C
PHYSICS 1E03	Wave,Elec&Magnetic	3.00/3.00	B-
WHMIS 1A00	Intro To Health And Safety	0.00/0.00	COM

Sessional Average: 5.20/37.00

Academic Standing: May Continue, Not Eligible for Engineering II.

--- 2014 Spring/Summer ---

Program:	Engineering Degree Seeking
Plan:	Engineering 1 CO-OP (Year One)

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Name:	Student ID No:	OEN:	Birth Day:	Print Date:
Hanxi Huang	001303296	931764625	06 July	16 January 2017

### Term Enrolment

Course	Title	Attm./Earned Units	Grade	
CHEM 1E03	General Chemistry: Engineer I	3.00/3.00	B-	Repeat
MATH 2Z03	Engineering Math III	3.00/3.00	B+	

Sessional Average: 8.00/6.00

### --- 2014 Fall ---

Program:	Engineering Bachelors
Plan:	Computer Engineering CO-OP (Co-op Program)

### Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPENG 2DI4	Logic Design	4.00/4.00	B+
COMPENG 2SH4	Princ. Programming	4.00/0.00	F
ELECENG 2CI5	Intro:Elect Engin	5.00/5.00	D-
GEOG 1HB3	Human Geo:City&Economy	3.00/3.00	C

### Totals

Term Totals	Attm./Earned Units	GPA Units	Total Points	GPA
	16.0/12.0	16.0	56.0	3.5

### --- 2015 Winter ---

Program:	Engineering Bachelors
Plan:	Computer Engineering CO-OP (Co-op Program)

## Transcript of Academic Record

Name:	Student ID No:	OEN:	Birth Day:	Print Date:
Hanxi Huang	001303296	931764625	06 July	16 January 2017

### Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPENG 2DP4	Microprocessors	4.00/4.00	B-
ELECENG 2CJ4	Circuits & Systems	4.00/4.00	C+
ELECENG 2EI5	Elec Device&Circ I	5.00/5.00	D
ELECENG 2FH3	Electromagnetics I	3.00/3.00	C+
ENGINEER 2B03	Engineer Economics	3.00/3.00	C-

### Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	19.0/19.0	19.0	92.0	4.8

Academic Standing: Good Standing

--- 2015 Spring/Summer ---

Program:	Engineering Bachelors
Plan:	Computer Engineering CO-OP (Co-op Program)

### Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	Engineering Work Term (Work Term Details Company: Chi Tongda Electronics Co. Ltd. Location: Baoan District, China Position : Research & Development Co-op Start Date: 2015-05-01 End Date: 2015-08-31)	0.00/0.00	COM

### Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

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--- 2015 Fall ---

Program: Engineering Bachelors  
Plan: Computer Engineering CO-OP (Co-op Program)

### Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPENG 2SH4	Princ. Programming	4.00/4.00	D
COMPENG 3DQ5	Digital Systems	5.00/0.00	F
ELECENG 3EJ4	Elec.Devic&Circ.II	4.00/4.00	D
ELECENG 3TP4	Signal & Systems	4.00/4.00	D-
ELECENG 3TQ4	Prob, Random Prog & Stats	4.00/4.00	D-

### Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	21.0/16.0	21.0	24.0	1.1

--- 2016 Winter ---

Program: Engineering Bachelors  
Plan: Computer Engineering CO-OP (Co-op Program)

### Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPENG 2SI4	Data Structures	4.00/4.00	C
ECON 1B03	Intro:Microeconom.	3.00/3.00	B+
ECON 2J03	Environment. Econ.	3.00/3.00	A-
ENGINEER 4A03	Sustainability & Ethics	3.00/3.00	A+
ENVIRSC 1G03	Earth & The Environment	3.00/3.00	C

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### Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	16.0/16.0	16.0	128.0	8.0

Academic Standing: Good Standing

### --- 2016 Spring/Summer ---

Program:	Engineering Bachelors
Plan:	Computer Engineering CO-OP (Co-op Program)

### Term Enrolment

Course	Title	Attm./Earned Units	Grade
MATH 2X03	Advanced Calculus I	3.00/3.00	C
STATS 2D03	Intro To Probability	3.00/3.00	B
STATS 3Y03	Probability & Stats For Eng	3.00/3.00	A-

### Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	9.0/9.0	9.0	69.0	7.7

### --- 2016 Fall ---

Program:	Engineering Bachelors
Plan:	Computer Engineering CO-OP (Co-op Program)



## Transcript of Academic Record

Name:	Student ID No:	OEN:	Birth Day:	Print Date:
Hanxi Huang	001303296	931764625	06 July	16 January 2017

### Term Enrolment

Course	Title	Attm./Earned Units	Grade
CIVENG 3C03	Engineer Systems	3.00/3.00	B
COMPENG 3DQ5	Digital Systems	5.00/5.00	C
SFWRENG 3K04	Software Development	4.00/4.00	B-
STATS 3D03	Mathematical Statistics I	3.00/3.00	D-

### Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	15.0/15.0	15.0	80.0	5.3

--- 2017 Winter ---

Program:	Engineering Bachelors
Plan:	Computer Engineering CO-OP (Co-op Program)

### Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPENG 3DR4	Computer Organization	4.00/0.00	
COMPENG 3SK3	Comp. Aided Engineering	3.00/0.00	
ELECENG 3CL4	Intro: Control Systems	4.00/0.00	
ELECENG 3TR4	Communication Syst	4.00/0.00	

### Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	15.0/0.0	0.0	0.0	0.0

## Transcript of Academic Record

Name:

Hanxi Huang

Student ID No:

001303296

OEN:

931764625

Birth Day:

06 July

Print Date:

16 January 2017

End of Undergraduate Career Record

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End of Student Unofficial Transcript

Unofficial