

# Gary Tong

<http://gcttong.github.io>

Email : [tongg@myumanitoba.ca](mailto:tongg@myumanitoba.ca)  
GitHub: <http://github.com/gcttong>

## EDUCATION

---

### University of Manitoba

*Bachelor of Science, Major in Computer Science (Co-op)*

**Expected: December 2018**

*Winnipeg, MB*

### University of Western Ontario

*Honors Bachelor of Science, Double Major in Biology/Medical Science*

**June 2014**

*London, ON*

## EXPERIENCE

---

### RBC

*Student Labs Software Developer Co-op (5-person summer student labs team)*

**May - August 2017**

*Toronto, ON*

- Completed the frontend and backend of a new internal web application that allows employees to share new project ideas company-wide Used: Angular 4, Node.js, and IBM Bluemix

### Desire2Learn

*Software Developer Co-op (4-developer backend platform team)*

**January - April 2017**

*Kitchener, ON*

- Created backend client data disaster recovery tool by leveraging AWS micro services (Lambda, SQS, SNS) that is currently in use by developers within the company Used: Node.js and AWS

### Children's Hospital Research Institute of Manitoba

*Summer Student*

**May - August 2017**

*Winnipeg, MB*

- Identified Autism-causing DNA locations by analyzing patient genetic sequence information from Autism Genome Project big datasets, led to 2nd place in student research competition Used: R

## HACKATHONS (MORE AT: [HTTP://DEVPOST.COM/GCTTONG](http://devpost.com/gcttong))

---

### Memo (Amazon Alexa, Node.js, AWS Lambda)

*Grand Prize Winner*

**DementiaHack 2017**

*24 Hours*

- Built backend for Amazon Alexa Skill that creates a memory bank for dementia patients and provides real-time data about patient prognosis based on question frequency **Link: <http://bit.ly/2xZbpth>**

### LifeLine (C, Arduino)

*2nd place overall, Best Hardware Hack*

**DeltaHacks 2017**

*24 Hours*

- Built Arduino-based car monitoring system that automatically sounds alarm when driver falls asleep and phones loved ones/sends SMS notifications **Link: <http://bit.ly/2wOqJ7c>**

### Socksory (Arduino)

*Top 10 Overall*

**PennApps 2017**

*36 Hours*

- Built pressure sensor monitoring system using Arduino to determine force exerted on different regions of the foot, aimed at reducing ulcers in diabetic patients and mitigating orthotic issues

**Link: <http://bit.ly/2xwrUvn>**

## SKILLS

---

**Programming:** Java, Python, JavaScript, Node.js, Angular 4, R, C++, HTML, CSS

**Databases:** MySQL, PostgreSQL

**Languages:** English, Cantonese, Mandarin, French

## LEADERSHIP

---

**GitHub Campus Expert:** Working with GitHub Education to grow local student developer community by planning tech events and workshops in Winnipeg, MB

**MLH Local Hack Day 2017 Lead Organizer:** University of Manitoba's first collegiate 12-hour hackathon, attracted 80 students to bring novel ideas to fruition using software and hardware