

Gary Tong

<http://gcttong.github.io>

Email : 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 2015

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