

# CHRISTINE KING CHONG CHENG

✉ christinekc.cheng@gmail.com | 🏠 christinekc.com | 🔄 christinekc | 🌐 christinekcc

## EDUCATION

**Trinity College, University of Toronto** | Toronto, ON Sept 2015 - Present

- Bachelor of Science + PEY: Computer Science Specialist (Focus in AI) with Statistics Minor
- Expected graduation date: April 2020
- Department of Computer Science Undergraduate Ambassador

**Cheltenham College (Years 12 - 13)** | Cheltenham, UK Sept 2013 - June 2015

- GCE A-levels: Economics (A), Mathematics (A\*), Physics (A\*)

## WORK EXPERIENCE

**Research Assistant** | Faculty of Law, University of Toronto Oct 2017 - Present

- Working with Professor Albert Yoon and Professor Adriana Robertson on a project about the labour market for lawyers
- Prepare and analyze data using R

**Software Developer Intern** | Cloud Constable June 2017 - August 2017

- Tested and further developed the algorithm for determining the direction of sound source
- Programmed servo motors that control the direction of movement of the robotic head
- Cloud Constable is one of the second round official teams in the IBM Watson AI XPRIZE competition

**Research Assistant** | Department of Physics, University of Toronto May 2016 - June 2016

- Worked on a project titled Radio-frequency Electronics for Laser Stabilization through the [U of T Physics Summer Undergraduate Fellowships Award](#) program
- Designed a printed circuit board using KiCAD
- Built an amplitude and frequency driver for the radio-frequency signal used by the acoustic optic modulator

## PROJECTS

**GrocerEase** | Queen's International Innovation Challenge 2017

- Prepared and analyzed food security and nutrient intake data using R
- Built a solution with Python and Twilio that optimizes nutrient intake using machine learning depending on location and food prices and give recommendations for grocery shopping

**Dynamic User Driving Enhancement** | GM Hack AI: First Place 2017

- A personalized assistant for level 3 autonomous driving cars with functionalities tailored towards different demographics
- Built with the NGI SDK, HTML, CSS, JavaScript, Python and the Google Maps API

**CAPTCHA Solver** | Hack MIT Puzzles 2017

- Built a neural network with Python, Keras and Tensor Flow for solving CAPTCHAs

**Text MD** | Break Inequality Hackathon: Most Creative Use of the Twilio API Award 2016

- An interactive server accessible through SMS that can diagnose a patient's condition in real time
- Built with Twilio, Flask, Python and the Infermedica API

## AWARDS & QUALIFICATIONS

2015 - 2017 University of Toronto: Dean's List  
2016 University of Toronto: Chancellor's Scholarship - Ashbaugh for high academic achievement  
2015 ATCL (Associate of Trinity College London) Diploma for Piano  
2014 UKMT (United Kingdom Mathematics Trust) Senior Mathematical Challenge: Silver

## SKILLS

**Programming** Python • C • C++ • Java • R • HTML • CSS • JavaScript • SQL • Git

**Languages** English (Fluent) • Cantonese (Fluent) • Mandarin (Basic)