

# CHRISTINE KING CHONG CHENG

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## EDUCATION

- Trinity College, University of Toronto** | Toronto, ON Sept 2015 - Present
- Bachelor of Science: Computer Science Specialist (Focus in AI) with Statistics Minor
  - Expected graduation date: June 2019
- Cheltenham College (Years 12 - 13)** | Cheltenham, UK Sept 2013 - June 2015
- GCE A-levels: Economics (A), Mathematics (A\*), Physics (A\*)

## WORK EXPERIENCE

- Software Developer Intern** | Cloud Constable June 2017 - August 2017
- Tested and further developed the embedded system of the microcontroller (STM32 Nucleo board), which uses a microphone array to determine the direction of sound source
  - Programmed the servo motors, which control the direction of movement of the robotic head
  - The solution will be entered into the IBM Watson AI XPRIZE competition
- Research Assistant** | Department of Physics, University of Toronto May 2016 - June 2016
- Worked under [Professor Amar Vutha](#) 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

- Dynamic User Driving Enhancement** | GMhackAI: First Place 2017
- A personalized assistant for level 3 autonomous driving cars with functionalities tailored towards different demographics
  - Built using the NGI SDK, HTML, CSS, JavaScript, Python, Flask, Twilio and Google Maps API
- What's Happening** | UofT Hacks 2017
- A multi-platform app for discovering the latest nearby events
  - Built with HTML, CSS, AngularJS, Ionic, Cordova, Firebase and Google Maps API
- 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
  - Can be used to help improve dissemination of health care knowledge of third world countries
  - 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 Cheltenham College: Sixth-Form Endeavour Award
- 2014 UKMT (United Kingdom Mathematics Trust) Senior Mathematical Challenge: Silver

## SKILLS

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

**Operating systems** Mac OS • Linux (Ubuntu) • Windows

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