CHRISTINE KING CHONG CHENG

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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 on a project about the US judicial system
- Prepare and analyze data using R and Python

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

Doctors Within Borders | UofT Hacks: First Place, JetBrains Prize   2018
- A crowd-sourcing app that improves first response time to emergencies by connecting 911 dispatchers with certified civilians who are either doctors or nurses, or have had first-aid or CPR training
- The mobile app was built with Ionic, the dispatcher web app was built with Angular 2 and `Flask` was used to run the server

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)