

# CHRISTINE KING CHONG CHENG

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## EDUCATION

**Trinity College, University of Toronto** | Toronto, ON Sept 2015 - Apr 2019

- Honours Bachelor of Science with High Distinction: Computer Science Specialist (Focus in AI) with Statistics Minor

## WORK EXPERIENCE

**Research Assistant** | Faculty of Law, University of Toronto Oct 2017 - Apr 2019

- Automated data search processes, built database parser, and analyzed data using R and Python

**Co-founder and Software Developer** | Zeroth Responders May 2018 - Dec 2018

- Built back-end that communicates with emergency dispatch and mobile apps using Node.js and MySQL

**Software Developer Intern** | eBay (Kijiji division) May 2018 - Aug 2018

- Back-end developer in an Agile team
- Implemented correlation tracking in Java Spring for search results and product views, which enabled more accurate analysis and migrated popular and related search from Apache Solr to Elasticsearch

**Software Developer Intern** | Cloud Constable Jun 2017 - Aug 2017

- Wrote the algorithm to control the movement of the robotic head such that it turns towards the person it is talking to
- Cloud Constable is one of the second round teams in the IBM Watson AI XPRIZE competition

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

- Worked on a project titled Radio-frequency Electronics for Laser Stabilization
- Designed a printed circuit board, and built an amplitude and frequency driver for the acoustic optic modulator

## PROJECTS

**Research Project** | Department of Computer Science, University of Toronto 2018

- Examining the learning process of deep-Q networks through analyzing Atari games and investigating how influence functions can help improve current models
- Supervised by Professor Jimmy Ba

**Doctors Within Borders** | UofT Hacks 2018

- Built software that connects emergency dispatchers with a network of certified volunteers who can get to the scene of an emergency before first responders
- 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 2017

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

**CAPTCHA Solver** | Hack MIT Puzzles 2017

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

## AWARDS & QUALIFICATIONS

2015 - 2018 University of Toronto: Dean's List Scholar  
2018 University of Toronto: Chancellor's Scholarship - St. Hilda's for high academic achievement  
2018 University of Toronto Hatchery Demo Day: Orozco Prize  
2018 UofT Hacks: First Place and JetBrains Prize  
2017 GM Hack AI: First Place  
2016 University of Toronto: Chancellor's Scholarship - Ashbaugh for high academic achievement  
2016 University of Toronto: Physics Summer Undergraduate Fellowships Award  
2016 Break Inequality Hackathon: Most Creative Use of the Twilio API Award

## SKILLS

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