CHRISTINE KING CHONG CHENG

✉ christinekc.cheng@gmail.com | 📞 +1 (647) 936-9606

🏠 christinekc.com | ⭕ christinekc

EDUCATION

Trinity College, University of Toronto | Toronto, ON   Sept 2015 - Present
- Bachelor of Science: Computer Science Specialist (Focus in AI) with Statistics Minor
- Courses taken: Algorithms, Computer Vision, Machine Learning, Multivariable Calculus, Operating Systems etc.
- Expected graduation date: April 2019

WORK EXPERIENCE

Co-founder and Software Developer | Zeroth Responders   May 2018 - Present
- Building back-end that communicates with emergency dispatch and mobile apps using Node.js and MySQL
- In discussions with various cities to implement a pilot project to improve emergency response times

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
- Migrated popular and related search from Apache Solr to Elasticsearch

Research Assistant | Faculty of Law, University of Toronto   Oct 2017 - June 2018
- Automated data search processes, prepared and analyzed data using R and Python

Software Developer Intern | Cloud Constable   June 2017 - August 2017
- Programmed the micro-controller 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 - June 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
- Investigate why reinforcement learning model fails by applying influence functions to deep-Q networks
- Supervised by Professor Jimmy Ba

Doctors Within Borders | UofT Hacks: First Place, JetBrains Prize   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: First Place   2017
- A personalized assistant for level 3 autonomous driving cars with functionalities tailored towards different demographics and improved driving experience using data collected
- Built with the NGI SDK, JavaScript, Python and the Google Maps API

AWARDS & QUALIFICATIONS

2015 - 2018	University of Toronto: Dean's List Scholar
2018	University of Toronto Hatchery Demo Day: Orozco Prize
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
2015	ATCL (Associate of Trinity College London) Diploma for Piano
2014	UKMT (United Kingdom Mathematics Trust) Senior Mathematical Challenge: Silver

SKILLS

Programming Python ● Java ● C ● C++ ● R ● HTML ● CSS ● SQL ● Git
Languages English (Fluent) ● Cantonese (Fluent) ● Mandarin (Basic)