CHRISTINE KING CHONG CHENG

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EDUCATION

Trinity College, University of Toronto | Toronto, ON   Sept 2015 - April 2019
- Bachelor of Science: Computer Science Specialist (Focus in AI) with Statistics Minor

WORK EXPERIENCE

Co-founder and Software Developer | Zeroth Responders   May 2018 - Present
- Built back-end that communicates with emergency dispatch and mobile apps using Node.js and MySQL

Research Assistant | Faculty of Law, University of Toronto   Oct 2017 - Nov 2018
- Automated data search processes, built database parser, and analyzed data using R and Python

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   June 2017 - August 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 - 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
- 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