




KATRINA HOOPER

SOFTWARE ENGINEER

CONTACT INFORMATION

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 Toronto, Ontario

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 github.com/kjhooper

TECHNICAL SKILLS

- Experienced with automotive and carpentry builds and repairs, and machining
- Proficient in coding languages Python, C, HTML, HTML5, CSS, PHP, Arduino, SQL, MySQL, *nix and WordPress environments
- Experienced in ROS, AI, Machine Learning, Reinforcement Learning, Deep Computer Vision and NLP

EDUCATION

MASTER OF SCIENCE

Computer Science

Ryerson University

2019 to Current

HONOURS BACHELOR OF SCIENCE

Physics and Mathematics

University of Toronto

Completed in 2018

CERTIFICATIONS

- Graduate Teaching Development Program Level 1: Teaching Foundations in Higher Education
 - May 2018 - current
- SAFETalk
 - May 21

PROFILE

Previous Administrative Assistant and active Computer Science Master's Student looking for ways to become more involved with her community. Avid multitasker who has always been a quick learner and great communicator. Has experience in multiple coding languages along with being extremely hands on and innovative. Ready to work hard and surprise anyone who gives her a chance.

EXPERIENCE

GRADUATE ASSISTANT – (Faculty of Science)

Ryerson University / September 2019 - Present

- Social Issues, Ethics and Professionalism (CPS412)
 - Aided students in understanding concepts and boundaries regarding computer science in present day society
- Computer Science I (CPS109)
 - Aided students through learning and introductory to coding language Python
- Digital Computation and Programming (CPS 125)
 - Aided students through learning and introductory to coding language C
- Web Systems Development (CPS 530)
 - Aided students through learning and introductory to coding languages HTML, HTML5, CSS, CGI (Ruby and Python), PHP, ASP, PERL, JavaScript, JQuery, MySQL an intro to handling various datatypes (XML/XSL/XSLT/RSS feeds/JSON) and search engine optimization
- Provided additional aid to students during and outside of lab hours in understanding course material
- Provided a safe environment where learning is encouraged

ADMINISTRATIVE ASSISTANT

Endeavour Sports Performance & Rehabilitation / October 2018 – September 2019

- Maintain and update company website
- Ensure the clinic runs efficiently by supporting the clinicians
- Schedule and invoice clients
- Accurately produce invoices for insurance companies
- Safely opening and securely closing the clinic
- Respond to customer complaints and find creative solutions that address the issue

TEACHING ASSISTANT – Engineering Outreach

University of Toronto / July 2017– August 2017

- Aided grade 11-12 students in building Lego-Technic cars and understanding automotive components
- Provided additional aid to students during class hours in understanding course material and encouraged questions for learning

STUDENT TECHNOLOGIST – Physics Outreach

University of Toronto / May 2017 – June 2017

- Redesigned and fabricated liquid Nitrogen levitating train demonstration table
 - Redesigned train car to house pellets using Sketchup design software and withstand mild impact while cooled with liquid nitrogen, fabricated train car using 3D-Printing and redesigned magnetic track and base using Sketchup design software to weight and size regulations
- Managed deadlines and completed project within the time frame
- Followed budget
- Researched alternative methods and materials for track
- Improvised innovative solutions when problems arose