

SIMHON CHOURASIA

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EXPERIENCE

May 2019 – March 2020: Teaching Assistant at Fairview Kumon

Helped students with course material and graded homework.

June 2019 – September 2019: Data Science Research Project

Worked on a data science research project with professors at Ryerson University to find the effects of various factors on group performance.

July 2019 – August 2019: Lifeguard at City of Toronto

Worked as a lifeguard at East York Community Centre.

July 2020 – September 2020: Lifeguard at Lifestyle Recreation

Worked as a lifeguard at a private pool.

PROJECTS

Role-Playing Survival Game

- Open-world survival game created in Java for ICS4U course

Rudimentary Spacecraft Guidance System

- System using three gyroscopes to find its orientation in 3D space

Conversation Assisting Chatbot – Winner of Hack the Barriers 2018

- Chatbot using AI technology to help immigrants with conversational skills

Tweet Sentiment Analyzer – Second Place at Ignition Hacks 2020

- Natural language processing model with TensorFlow and Universal Sentence Encoder to perform sentiment analysis on tweets

Homework-tracking Discord bot

- Discord bot created in Python to track homework assignments

ACTIVITIES AND ACHIEVEMENTS

- SHAD Fellow (McMaster University 2018)
- Canadian National AP Scholar for high marks in six Advanced Placement Exams (including calculus, computer science, physics)
- Two-time qualifier for DECA Provincials (finance cluster)
- Volunteered at the Sporting Life Marathon to support children with cancer (since 2016)
- Volunteered to teach children at a chess camp (2018)
- Invited to Quantum Cryptography School for Young Students (2020)
- Honour roll in Canadian Open Mathematics Challenge (COMC) (2016, 2018, 2019)
- Invited to 2017 National Math Camp (COMC top 30 under grade 11)
- Invited to 2019 Exploring Mathematics and Computer Science Workshop for scoring among the top 30 in grade across Canada in the Euclid mathematics competition
- Invited to write Canadian Mathematics Olympiad (2019, 2020) and Asian Pacific Mathematics Olympiad (2020)

EDUCATION

2016-2020

Marc Garneau C.I.

- *Part of the specialized math and science-focused Talented Offerings in the Programs of the Sciences (TOPS) program.*

2020-2025

University of Waterloo

- *Honours Computer Science with Co-op*

KEY SKILLS

- *Coding skills: Python, Java, C++, HTML, CSS, JavaScript*
- *Experience in writing business plans*
- *Advanced mathematics knowledge: statistics, calculus, linear analysis, data analysis*
- *Excellent problem-solving skills*