

Jenny Ziyi Xu

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Education

University of Toronto

Computer Science Specialist, cGPA: 3.90/4

Sep 2019 – Jun 2022

Toronto, ON

Relevant Coursework:

Software Design, Software Tools, Computer Organization, Database, Deep Learning, Data Structures and Algorithm Analysis, Theoretical Computation,

Marianopolis College

Honours Health Sciences, DEC Diploma of College Studies

Aug 2017 – May 2019

Montreal, QC

Global average: 92%

Experience

Team Member in System and Simulation Team

University of Toronto Self-Driving Car Team

Jan 2021 – present

Toronto, ON

- Execute open-loop testing in MatLab. Prepare for MathWorks challenge for year 4 SAE/GMAutodrive Challenge.

Teaching Assistant

University of Toronto

Jan 2021 – present

Toronto, ON

- CSC165 - Mathematical Expression and Reasoning for Computer Science

Undergrad Researcher and Lab Manager

University of Toronto, Supervisor: Prof. Joseph Williams

May 2020 – Jan 2021

Toronto, ON

- Participated in the protocol design of a text messaging system for Mental Health America with the collaboration of North Western University. Oversee meeting logistics for this research project. Held weekly lab meetings with undergraduate students and lab socials.

Full Stack Software Developer React | Django | SQLite

Technology Leadership Initiative Program, University of Toronto

Sep 2020 – Dec 2020

Toronto, ON

- Design and develop a web interface application for high school students to track their progress in practicing math problems. Github repo: <https://github.com/jennyziyixu/Hypatia-Software-Design-Project>
- Collaborate with the company stakeholder Hypatia to build user-centred project.

Student Researcher in Experimental Oncology

McGill University, Segal Cancer Centre, Supervisor: Prof. Sonia del Rincon

Mar 2018 – Mar 2019

Montreal, QC

- Analyzed the colocalization of membrane peroxisomal proteins to understand the role of the peroxisome in the metabolism of cancer. Participated in lab experiments, data collection and analysis.

Skills

Languages/Frameworks: Python, Java, C, Javascript, HTML, CSS, Django, React, SQLite, R, MatLab

Native fluency in: English, French, Chinese

Community Leadership

- Director of Academic Events, UofT Computer Science Student Union
- Publication of "Guide d'intégration au Québec" to help new arrivals integrate into Quebec society
- UofT Badminton Club executive, Chemistry peer tutor in high school, Pianist in high school Jazz Band

Awards

- UofT Scholar Award, 2019
- In-Course Scholarship, Victoria College 2020
- Collegial Gene Research Opportunity Award, Canadian Institutes of Health Research 2018
- Dean's list, Marianopolis College 2019
- Provincial Champion in Women singles, Badminton Quebec, ABC tournament 2015