

Lixian Liu

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EDUCATION

York University Candidate for Hons. B.Sc. in Computer Science <ul style="list-style-type: none">GPA 8.73/9.0	ON, Canada January 2018 – Expected May 2021
Seneca College Completed 18 credits towards a Diploma in Computer Programming	ON, Canada May 2017 – January 2018
University of Toronto Hons. B.A. in Economics & Studio Art	ON, Canada September 2011 – December 2014
South China Institute of Software Engineering, Guangzhou University Completed 106 credits towards a 160-credit Bachelor of Design	Guangdong, China September 2007 – December 2009

RESEARCH EXPERIENCE

Data Mining Lab at York University <i>Undergraduate Researcher, Supervisor: Professor Aijun An</i> <ul style="list-style-type: none">Research Presentation Video: https://youtu.be/tndvjygV9XUDeveloped a web application with Python and OpenCV that allows users to select various camera feeds and display video frames for the detection and tracking results of a Multiple Pedestrian Tracking algorithm developed by Dr. Mufleh Al-ShatnawiWorked in a GPU server and CONDA environment and learned the basics of running a deep learning algorithmAttended weekly seminar to stay up to date on the current research topics in data mining	ON, Canada May 2020 – August 2020
Data Mining Lab at York University <i>Research Assistant, Supervisor: Professor Aijun An</i> <ul style="list-style-type: none">Designed a web interface that has the ability to communicate with the back-end server and retrieve data from the server to display a real-time graph comparing the speed of two neural network algorithmsGained experience in a lab environment and learned the fundamentals of data visualization and neural networks	ON, Canada January 2020 – April 2020

AWARDS AND GRANTS

2020 NSERC Undergraduate Student Research Award , awarded a stipend of \$8,000 to conduct research in the natural sciences and engineering
2019 OSOTF Science Award , given to the undergraduate student with the highest Faculty grade point average
2019 York University Continuing Student Scholarship , granted to undergraduate students who have achieved outstanding academic results

WORK AND TEACHING EXPERIENCE

FutureUp Education, Inc. <i>Computer Science Tutor</i> <ul style="list-style-type: none">Tutor a group of undergraduate students in different programming languages, such as C, Shell Script, and JavaPrepare coding questions and weekly teaching slides	ON, Canada May 2019 – Present
ArtSky Learning Centre <i>Art Instructor</i> <ul style="list-style-type: none">Taught a group of young children about modern drawings to increase their creativityWrote appropriate critique for each art piece and communicated with parents about learning outcomes	ON, Canada May 2016 – November 2016

Rogers Communication, Inc.*Sales Associate***ON, Canada**

December 2014 – January 2016

- Increased the sales record by exceeding the weekly sales target; received top 5% sales award for Toronto region
- Wrote weekly reports covering the sales activity and performance of our store
- Interacted with customers in a patient and friendly manner in all situations

LEADERSHIP EXPERIENCE

York University*Peer Tutor***ON, Canada**

January 2020 – April 2020

- Provided one-on-one peer tutoring for undergraduate students in the course of Discrete Mathematics

Class Representative for Professor Jeff Edmonds

September 2019 – December 2019

- Scheduled study sessions for students in the course of Fundamentals of Data Structures to review materials in a group and was responsible for a study environment that facilitated students improving individual grades
- Communicated feedback received from classmates to the professor

SKILLS

Art Portfolio: <http://berlinbolin.wixsite.com/arts>**Computer/Technical Skills:** C, Java, JavaScript, Python, HTML, CSS, SQL, Unix, Shell Script, Microsoft Office, Photoshop**Languages:** English, Cantonese and Mandarin