

# Ronnie D'souza

University of Manitoba Computer Science Student

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## EDUCATION

### University of Manitoba, Winnipeg — *HBSc Computer Science*

SEPTEMBER 2017 - MAY 2022,

Completed introductory Java and discrete mathematics courses. Currently in Data Structures and Algorithms Design courses.

## EXPERIENCE

### Personal Tutor, Winnipeg— *UMSU Tutoring Service*

JANUARY 2019 - APRIL 2019

Helped students understand core concepts of introductory computer science courses. Students found my explanations in depth. Appreciated debugging process.

### Student IT Tech, Winnipeg— *University of Manitoba IST*

SEPTEMBER 2018 - APRIL 2019

IT Tech for entire campus dormitory building. This involved solving network and hardware problems on the job that were presented by students. Doubled network speeds in slow areas over 2 months.

### Customer Service Representative, Winnipeg— *MarketForce*

JULY 2018 - SEPTEMBER 2018

Communicated with customers from partnered restaurants that were unsatisfied with their experience.

## PROJECTS

### Song Generator — *Machine Learning Algorithm*

Uses a markov text chains to create a probability matrix to predict next word. Uses a web scraper in Python3 to get and clean data. Uses 3 dictionaries to store words. Currently building in Python.

### Handwritten Number Recognition — *Simple Neural Network*

I wrote a working neural network that trains itself using 1500+ images of handwritten numbers. Has an accuracy of 98%. Uses scikit-learn and written in Python.

### Iris Flower Classifier — *Tensorflow ML Algorithm*

My first project, the famous Iris Flower Classifier. Uses supervised learning to classify three different species of flowers from 150 samples. Uses TensorFlow and written in Python.

## SKILLS

Java, Python, HTML, Git.

Linux and Windows  
Enviromnents

## CLUBS

.devClub

Executive VP Internal

- Coordinated room bookings for events
- Ran weekly meetings for members, preparing agendas for topics of discussions and then presenting it to members
- Helped with the recruitment of new members

GlobalRez Club

Tech Support and Event  
Organizer

- Organized events for international students on campus to feel welcome
- Helped plan 4 events a semester and then run them

Women in Computer Science  
Member

- Redid the poster to improve the appeal
- Designed the logo for the sweatshirt
- Volunteered with Code Club and Ladies Learning Code