



Shalev Lifshitz

Machine Learning Researcher

16 years old, Canadian, and striving to develop the future of technology. My goal is to spark the next wave of human innovation and help humanity reach a new evolutionary step.



lifshitz.shalev@gmail.com



(647)-571-7312



Toronto, Canada



shalev.ca



linkedin.com/in/shalev-lifshitz



github.com/Shalev-Lifshitz

SKILLS

Leadership

Creativity

AI & ML

Python

PyTorch

Tensorflow

Keras

Communication and Public Speaking

LANGUAGES

English



Hebrew



Latin



INTERESTS

AI

Functionalism

General Relativity

Latin

Reading

Ancient Greek and Roman Civilization

Building a Better Future

WORK EXPERIENCE

Research Assistant

University of Waterloo - Kimia Lab [↗](#)

09/2018 – Present

Waterloo, Ontario

Designing and implementing a new Artificial Neural Network architecture and a new, non-gradient based learning algorithm without the use of Machine Learning libraries.

Contact: Proff. Hamid R. Tizhoosh - Director

Student Researcher

SickKids Hospital - Goldenberg Lab [↗](#)

07/2018 – Present

Toronto, Ontario

Creating a generalizable computer vision system to expedite the diagnostic and drug discovery processes.

Contact: Dr. Anna Goldenberg - Principle Investigator

Solution Architect and Developer

St. Joseph's Hospital [↗](#)

12/2018 – Present

Hamilton, Ontario

Designing and implementing a new system to help the Integrated Comprehensive Care (ICC) track, assist, and collect metrics from stay-at home patients and their caregivers.

Contact: Sarrah Lal - Assistant Professor at McMaster University

PUBLICATIONS

Submitted Paper to ICANN: Co-author (09/2019)

Proposing a new Artificial Neural Network architecture that attempts to further the AI community's efforts in reaching human-level intelligence.

PORTFOLIO

Please visit my website at shalev.ca for my portfolio. [↗](#)

EDUCATION

High School

Northern Secondary School

2016 – Present

Grade 11, GPA: 4.00, Honor roll student

University and Online Courses

University of Toronto, MIT OpenCourseWare, Coursera, Udacity

2018 – Present

Courses

▣ Linear Algebra

▣ Statistics

▣ ML and Data Mining - CSC 411 (U of T)

▣ Single and Multivariable Calculus

▣ Deep Learning with PyTorch - Facebook AI

▣ Data Science in Genomics Workshop

ACHIEVEMENTS

Awards for Business and Academic Excellence at Northern Secondary School

Best Startup at SAGE Canada

Top 3 Finalist at JEC Pitch Competition

Winning Pitch at the McMaster University Fall 2018 Innovation Sprint