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.

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Toronto, Canada

shalev.ca

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github.com/Shalev-Lifshitz

SKILLS

Leadership

Creativity AI & ML

Python PyTorch

Tensorflow Keras

Communication and Public Speaking

LANGUAGES

English
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Hebrew
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Latin
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INTERESTS

AI Funcionalism

General Relativty

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