



SHIRA NAVOT

MACHINE & DEEP LEARNING
COMPUTER VISION ENTHUSIAST

+972 547 360300

SHIRA.NAVOT@GMAIL.COM

HERZLIYA, ISRAEL

ONLINE PRESENCE

www.linkedin.com/in/shira-navot

www.kaggle.com/shirakaggle

HOBBIES

COOK AT A CHEF RESTAURANT
SECTION SUPERVISOR | 2016 - 2017

SNOWBOARDING INSTRUCTOR
AUSTRIAN SKI FEDERATION | 2008

PROFILE

Computer Vision & Deep Learning Algorithm Developer
Former Researcher at the Weizmann Institute of Science
Physical Chemistry B.Sc. from Ben Gurion University
Leading the Israeli community of Women in Data Science

EXPERIENCE

ALGORITHM DEVELOPER

STARTUP COMPANY | 2019 - PRESENT

- Research, develop and optimize **Deep Learning** algorithms for **real-time object detection** within the visible and thermal spectrum, for autonomous drone security solutions.
- Working in **Linux** environment, developing in **Python**, using **TensorFlow**, **OpenCV** and more.

DEEP LEARNING RESEARCH INTERN

6DEGREES | 2019

- Implementing **Deep Learning** algorithms to improve an embedded wearable technology that controls smart devices.
- Performing IMU signal processing for real-time motion analysis and human gesture recognition.
- Designing and evaluating **CNN** and **RNN (LSTM)** models in order to classify gestures, using **TensorFlow** and **Keras** frameworks.

STUDENT RESEARCHER

WEIZMANN INSTITUTE OF SCIENCE | 2017 - 2018

Department of Chemical Physics, Molecular Electronics Group

- Developing a separation method for chiral molecules based on the 'Chiral Induced Spin Selectivity' effect.
- Designing several devices which include a myriad of advanced technologies, analyzing and simulating data in **MATLAB**.

EDUCATION

MACHINE LEARNING BOOTCAMP

PRIMROSE | 2018 - 2019

- Intensive full-time elite training program which qualifies talented STEM BSc/MSc graduates as professional Algorithm Developers.
- Main focus is hands-on experience and skillset in **Machine Learning**, **Deep Learning** and **Computer Vision**, through exercises, self-led learning and teamwork.
- Combining in-depth theoretical studies along with practical algorithm development and model implementation.

BACHELOR OF SCIENCE, MAJOR IN PHYSICAL CHEMISTRY

BEN GURION UNIVERSITY OF THE NEGEV | 2014 - 2018

- Nanometric and Physical Chemistry Program.
- **Advanced Physical and Mathematical topics** - including Quantum Mechanics, Integral Transforms, Probability Theory and more.
- Experimental Project at the Nanoscale Science Institute.

MILITARY SERVICE

LEUTENANT, PERSONAL AFFAIRS COMMANDING OFFICER

IDF | 2009 - 2012

- Head of Personal Affairs NCO's Training Course | 2011