

# Avi Shimonov

## Chemist \ Biologist

Tel-Aviv

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## EXPERIENCE

### **Clalit, Tel-Aviv** - *Microbiology Covid-19 Laboratory*

2020 – PRESENT

- Shift Manager – 15 lab workers
- Laboratory purchasing and inventory management – 100K NIS weekly orders
- Working at the pre-analytic and analytic departments
- Operating and troubleshooting of an automated workstation such as: Biomek-I7, Roche- Cobas6800 and Hamilton- MicroLab Star.
- Use of analytical equipment: RT-PCR Biorad- CFX96 and Thermofisher- Quantstudio, analyzing results and transmission via LIMS software.

### **Bar- Ilan University, Ramat- Gan** - *Research Assistant at Prof. Ilya Grinbergs Laboratory in the computational chemistry field*

2017 - 2018

- Working on Quantum- Espresso software for Density Functional Theory simulations and Vesta software for visualizations of results.
- Working in UNIX environment, using PuTTY software for SSH protocols.

### **Bar- Ilan University, Ramat- Gan** - *Research Assistant at Prof. Aharon Gedanken Laboratory in organic chemistry*

2016 - 2017

- Creating Bio- diesel from used oil via Continuous Flow Microwave Reactor and Strontium oxide as a catalyst.
- Use of analytical equipment: NMR.

### **Bar- Ilan University, Ramat- Gan** - *Research Assistant at Prof. Aharon Gedanken Laboratory in organic chemistry*

2016 - 2017

- Using Sonicator for coating cheap metals as an alternative solution for Platinum prosthesis.

### **Bezeq** - *Technical support*

2013 - 2014

## EDUCATION

**Bar- Ilan University, Ramat- Gan** - *B.Sc. in Chemistry as major and Biology as a secondary.*

2014 – 2020

## Military Service

**IDF, Israeli Air Defense Command** - *Head instructor, commander and operator of Iron Dome defense system.*

2008 - 2011

## Language

**Hebrew-** *native*, **English-** *fluent*, **Russian-** *conversational*.

## Social Contribution

**Haver Li** - *nonprofit organization for abandoned and abused dogs*

2015 - 2019

- Foster home and behavior rehabilitation for dogs until adoption.