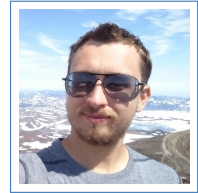


# Michael Berger

## Curriculum Vitae

Mohliver 6  
Herzliya, Israel  
☎ (052) 943 9751  
✉ vo1kod4v@gmail.com  
in Michael-Berger-E



## Experience

2011-2017 **SW/DevOps engineer**, ISRAELI NAVY INTELLIGENCE, Haifa.

- Support of computing infrastructure for a team of experts performing continuous loop of data acquisition, analysis and deployment of information on multiple sites.
- Maintenance and further development of an existing Asp.Net/SQL - based solution for computer-aided acoustic recognition.
- Development of software and work procedures for robust deployments of said solution and information to multiple sites.
  - Development of custom tool for creating incremental updates for sites lacking network connectivity.
- Development of management tools for massive audio recordings database, with an emphasis on robust metadata input methods
- Extensive maintenance and development with MS SQL database
  - Exposing data discrepancies and fixing them
  - Development of stored procedures for automatic conversion to different database structure
  - Creating backup procedures, performing and supervising server backups
- Development of POC data mining software for massive amounts of acoustic recordings - in collaboration with Rafael; Matlab as main research environment
  - Developing statistical algorithms for extraction and interpretation of spectral features in acoustic data
  - Database design
  - HMI design
  - Interactive data visualisation
  - Performance improvement by utilizing parallel/GPU/cluster computing with Matlab tools
- Data recovery using 010 editor scripting engine (FAT file system)
- Facilitating version control (GIT) adoption on all team software projects
- Fun side project - Designing modern style icons and insignia for the team
- Maintenance officer: maintaining computing and electronic equipment inventory.

## Education

### Formal

2015-present **Data Science Specialization**, *Coursera.org*, 160 hours, GPA – 8.0.

Main topics covered in the course:

- Statistical inference, Regression Models, Machine Learning
- Exploratory Data Analysis, Reproducible Research, R, Rstudio

2007- 2011 **B.Sc,Applied mathematics faculty**, *Holon Institute of Technology*, GPA – 79.0, Applied mathematics faculty, Bioinformatics specialization .

Main disciplines learned:

- Mathematical modelling, Approximation theory, Numeric analysis, Mathematical Simulation, GeoInformation systems
- Complex functions, Fourier series,
- Genetics, Biological Processes, Genetic algorithms, Medical imaging analysis,
- Introduction to programming, Algorithms and data structures, Computer architecture, C#, .Net, Matlab

### Courses

2015 **Image processing course**, *Israel Air Force*, 50 hours.

2016 **Software engineering with Matlab**, *Navy Mamtam*, 40 hours.

2006 **PC hardware service and maintenance course**, *Saint Petersburg City Palace of Youth Creativity*, 170 hours.

## Military Service

2011-2017 **Israeli Navy Intelligence**, *Academisation track*.

Highest rank - Senior academic officer

## Technologies

Advanced Asp.Net, C#, Vb, SQL , R, Matlab, git

Intermediate MSSQL Server, IIS and Windows file server administration, cmd scripting, VirtualBox

Basic Linux, Ubuntu

## Communication Skills

2010 LOLIDUNNO

## Interests

### Data science

- Machine learning
- AI
- PC hardware

### Category 2

- Cluster computing
- Time-Frequency analysis

### Software development

- Free and open source software
- elegant and robust algorithms

## Languages

Russian Mothertongue

Hebrew Conversationally fluent

English Fluent

*Somewhat slow at reading*

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**Company Recruitment team**

Company, Inc.  
123 somestreet  
some city

January 01, 1984

Dear Sir or Madam,

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis ullamcorper neque sit amet lectus facilisis sed luctus nisl iaculis. Vivamus at neque arcu, sed tempor quam. Curabitur pharetra tincidunt tincidunt. Morbi volutpat feugiat mauris, quis tempor neque vehicula volutpat. Duis tristique justo vel massa fermentum accumsan. Mauris ante elit, feugiat vestibulum tempor eget, eleifend ac ipsum. Donec scelerisque lobortis ipsum eu vestibulum. Pellentesque vel massa at felis accumsan rhoncus.

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Albert Einstein discovered that  $e = mc^2$  in 1905.

$$e = \lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n$$

Yours faithfully,

**Michael Berger**

*Attached: curriculum vitae*