

Michael Yair

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Summary: Data Scientist and Full Stack Developer with vast experience from both global leading company a startup agile environment

- During my last role as Data Scientist I developed:
 - A core for a **recommendation system** for house buyers in California
 - A **decision tree** for the Product Manager to **visualize** the probability to move between stages per each users group
- Full Stack projects can be found on my git.
- I have **10 years experience** in **statistical analysis, EDA, feature engineering** and **DOE methods**
- **Visualised** and **presented** each outcome in front of a technical and management audience
- Following the decisions I **developed** and/or **managed development** up to production, **end to end**
- I'm a **problem solver**, real life hacker, a **fast learner**, self motivated, a multidisciplinary with high vision level alongside familiarity within the details.
- I have developed my qualities in a **multidisciplinary environment** by promoting cross-organizational processes as part of top organization program and as leader of an R&D pioneer group

Education:

2020 - 2021 (March): [Technion Certified Full Stack Pro - web developer bootcamp](#)

2018 – 2019: Technion Certified Data Scientist bootcamp ([Syllabus link](#))

2012-2016: **MBA** at the Open University, Israel.

2003-2007: **Physics B.Sc** at the Hebrew University, Jerusalem, Israel.

Programing:

- Data Scientist (vast experience):
 - Python - numpy, scikit-learn, scipy, pandas, tensorflow and many others, per need
 - SQL
 - R
- Full Stack Developer:
 - HTML, CSS
 - ASP.NET (MVC, webAPI with C#)
 - MERN stack (React, Node.JS)
 - MEAN stack (Angular, with Typescript, Node.JS)
 - GraphQL
 - SQL
 - MongoDB

Experience:

2019-2020: Reali Solutions

- Data scientist reporting **directly to VP R&D**
- Developer of similar listing as a core engine to recommendation system, price prediction and automatic listing comparison report generator
- Developed a decision tree to reflect different types of the app users and the probability to pass each stage of seeking and purchasing a house.
- Developed automation algorithms for database optimization and features enrichment
- Created the learning database out of thousands of PDF human made reports of listings for sale and price evaluation, automatically

2008 – 2018: HP Indigo

2017 – 2018: System Engineer and Data lead architecture level

- Versatile system engineer of machine architecture serving several programs
- Task force leader and problem solver for high profile customers as a shortcut from R&D to the site
- Counterpart for digital embellishment machine

2014-2016: System Engineer and Data lead program level

- Collecting, managing the data with Excel and JMP at an R&D program
- **Pointing out top 10 failure which I lead number 1 issue to be eliminated from all architecture**
- Leading and participating in R&D workgroups

2009 –2014: Project leader and physicist at R&D materials section

- Leading 5 projects and being experimental physicist and data analyst under the projects.
- Co-development with internal lab and foreign subcontractors
- Researcher and leader of collaboration with labs from the US and Europe

2008-2009: Experimental physicist and data analyst at R&D materials section analysing large data sets along hands on experiments (from design to analysis presentation) using Matlab and JMP, focusing on consumable cost-life improvement.

Military service:

1997 - 2000: Full service, discharged as a first sergeant.

Languages:

Hebrew: Mother tongue level, **English:** fluent