

CV of Idan Achituve

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Github: <https://github.com/idanachi>

Education

2017-2019: MSc in Computer Science, specialized in AI and Machine Learning, Bar-Ilan University.

- GPA – 94.5
- Master's thesis research topic – Online banking fraud detection using sequences - Under the supervision of Prof. Jacob Goldberger and Prof. Sarit Kraus.
 - Publication at MLSP 2019: Interpretable Online Banking Fraud Detection based on Hierarchical Attention Mechanism.

2011- 2015: BSc in Industrial Engineering, majored in information systems, Ben-Gurion University

- *summa cum laude*, GPA: 90. Ranked 4th in my class (top 2%).
- Deans Honor Award in the 4th year.

2001-2004: Full Bagrut certificate. An honored student at Rodman high school in the scientific class.

Scientific Interests

- Few Shot Learning and Domain Adaptation.
- Bayesian methods for machine learning.
- Optimization of machine learning models.
- Information theory relations to machine learning.

Relevant Professional Experience

Since 2015: Data Scientist at DellEMC

Development and enhancement of DellEMC Online Banking and eCommerce fraud detection capabilities using machine learning techniques.

- Discovering new fraud patterns through extensive data analysis and applying it for feature engineering - creating features, feature selection and feature modeling.
- Classifying sequences of transactions while using LSTMs.
- Transfer learning with Multinomial Naïve Bayes classifier.
- Research and development of a data agnostic model for incorporating never seen data into a Multinomial Naïve Bayes classifier.
- Wrote 2 patents:
 - Smoothing of “Discretizing shock” Using Markov Chains.
 - Automatic Data Modeling in the Naïve Byes Framework.

Military Service

2004- 2007: Commander of Communication Sites in the Telecommuting Force, IDF

- First two years - a commander of communication sites.
- In the period until my release I oversaw the platoon's operations room and training new soldiers.
- Received two times the Platoon Honor's Award for dedication and professionalism.

Languages: Hebrew – Mother tongue, English – Full Proficiency