Idan Achituve

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Education

2019 – 2024 Bar-Ilan University, the faculty of engineering. PhD candidate under the guidance of Prof. Ethan Fetaya and Prof. Gal Chechik in machine learning. Primarily focus on problems in the low data regime with an emphasis on Bayesian modeling.

2017 – 2019 Bar-Ilan University, the computer science department. M.Sc. in AI and Machine Learning. Magna Cum Laude (GPA: 94.3).
Master's thesis research topic: Online banking fraud detection using sequences.
Under the supervision of Prof. Jacob Goldberger (EE) and Prof. Sarit Kraus (CS).

2011 - 2015 Ben-Gurion University, the Industrial Engineering department. B.Sc. in IE with a specialization in information systems. Magna Cum Laude (GPA: 89.7, top 2%).

Awards

2020, NeurIPS, top 10% of high-scoring reviewers.

2017 & 2018, RSA, two-times runner up in internal RSA global initiative competition.

2015, Ben-Gurion University, Deans Honors Award.

Academic Professional Activities

2020, Reviewer at NeurIPS.

2020, TA in the course introduction to deep learning, Bar-Ilan University.

2019, Reviewer at IJCAI.

2015, Projects examiner in the course Production Planning & Control, Ben-Gurion University.

Relevant Professional Experience

2015 - 2019 Data Scientist at RSA, Development and enhancement of RSA's fraud detection capabilities in online banking and eCommerce using machine learning techniques.

Publications

1. Achituve, I., Maron, H., & Chechik, G., Self-Supervised Learning for Domain Adaptation on Point-Clouds. *Submitted* to WACV 2021.
2. Navon, A., Achituve, I., Maron, H., Chechik, G., & Fetaya, E., Auxiliary learning by implicit differentiation. *Submitted* to ICLR 2021.
3. Achituve, I., Kraus, S., & Goldberger, J., Interpretable Online Banking Fraud Detection Based on Hierarchical Attention Mechanism. In 2019 IEEE 29th International Workshop on Machine Learning for Signal Processing (MLSP) (pp. 1-6). IEEE. 2019.
4. Amram, S., Sahar, C., Gendelev, A., & Achituve, I., Smoothing of discretized values using a transition matrix. U.S. Patent 10,511,585, issued December 17, 2019.
5. Achituve, I., Aboudy, T., Hershkovitz, M., Navry, O., & Ben-Port, L., Combining static and dynamic models for classifying transactions. U.S. Patent Application 16/223,289, filed June 18, 2020.