

IDDO DRORI

Associate Professor of Computer Science

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ACADEMIC EXPERIENCE

Faculty, Associate Professor (of practice)
Program Director of Masters in AI

[Boston University](#)
[Department of Computer Science](#)

2022 – present Boston, MA

Visiting Associate Professor

[Massachusetts Institute of Technology](#)
[Computer Science & Artificial Intelligence Laboratory \(CSAIL\)](#)

2022 – present Cambridge, MA

Adjunct Associate Professor

[Columbia University](#)
[Department of Computer Science](#)

2017 – Present New York, NY

Lecturer

[Massachusetts Institute of Technology](#)
[Department of Electrical Engineering & Computer Science](#)

2020 – 2022 Cambridge, MA

Visiting Associate Professor

[Cornell University](#)
[School of Operations Research & Information Engineering](#)

2019 – 2020 Ithaca, NY

Research Scientist and Adjunct Associate Professor

[New York University](#)
[Center for Data Science & Courant Institute](#)

2017 – 2019 New York, NY

Adjunct Professor

[NYU Tandon](#)
[Department of Computer Science and Engineering](#)

2017 – 2019 New York, NY

Lecturer

[Tel Aviv University](#)
[Department of Technology and Information Management](#)

2016 – 2017 Israel

Faculty, Senior Lecturer

[Colman](#)
[School of Computer Science](#)

2016 – 2017 Israel

Instructor

[Stanford University](#)
[Department of Statistics](#)

2007 Stanford, CA

EDUCATION

Postdoctoral Fellow in Statistics

[Stanford University](#)
[Department of Statistics](#)

2004 – 2007 Stanford, CA

PhD in Computer Science

[Tel Aviv University](#)
[School of Computer Science](#)

2001 – 2004 Israel

MBA in Entrepreneurship &
Organizational Behavior

[Tel Aviv University](#)
[School of Management](#)

2008 – 2010 Israel

Law Studies

[Hebrew University](#)
[The Faculty of Law](#)

2010 Israel

MSc in Computer Science
Magna Cum Laude

[Hebrew University](#)
[Department of Computer Science](#)

1998 – 2000 Israel

BSc in Math & Computer Science
Amirim Excellence Program

[Hebrew University](#)
[Institute of Mathematics](#)
[School of Computer Science](#)

1994 – 1997 Israel

AWARDS



Best paper award winner

Climate Change AI, Conference on Neural Information Processing Systems (NeurIPS), 2021



Competition winner

Mentoring winning team and follow-up conference paper, Kinship Verification, IEEE International Conference on Automatic Face and Gesture Recognition (FG), 2021

INDUSTRY EXPERIENCE

Founder and CEO (Data Science)

[AdiMap \(acquired by VEN Commerce\)](#)

- Nielsen data provider, 2014-2015
- eBay big data lab, 2014
- Amazon technology partner, 2012-2017
- Google partner and service agreement, 2012-2017

📅 2011 - 2016

📍 Israel

Research Scientist (Data Science)

[Mintigo \(acquired by Anaplan\)](#)

📅 2010

📍 Israel

Research Scientist (Computer Vision and Graphics)

[Gizmoz \(acquired by Daz3D\)](#)

📅 2008 - 2009

📍 Israel

Research Scientist (Computer Vision and Graphics)

[PrimeSense \(acquired by Apple\)](#)

📅 2007

📍 Israel

Algorithms Developer (Computer Graphics)

[Zapa Digital Arts](#)

📅 1997 - 2000

📍 Israel

PUBLICATIONS (5,500 CITATIONS)

📖 Books

- Drori, I. (n.d.). *Artificial General Intelligence*. In commission. Cambridge University Press.
- Drori, I. (2022). *The Science of Deep Learning*. <http://dlbook.org>. Cambridge University Press.

📖 Book Chapters

- Drori, I. (2020). Deep variational inference. In P. Grohs, M. Holler, & A. Weinmann (Eds.), *Handbook of Variational Methods for Non-linear Geometric Data* (pp. 361-376). Springer.

📄 Journal Articles

- Drori, I., Zhang, S. J., Simhon, S., Tyser, K., Shuttleworth, R., Surberhera, S., Tang, L., Hicke, Y., Shporer, A., Verma, N., Buonassisi, T., Strang, G., & Solar-Lezama, A. (2023). Data and code for automatically graduating from MIT Mathematics and EECS at a human level. *In progress*.
- Drori, I., Zhang, S., Shuttleworth, R., Tang, L., Lu, A., Ke, E., Liu, K., Chen, L., Tran, S., Cheng, N., Wang, R., Singh, N., Patti, T. L., Lynch, J., Shporer, A., Verma, N., Wu, E., & Strang, G. (2022). A neural network solves, explains, and generates university math problems by program synthesis and few-shot learning at human level. *Proceedings of the National Academy of Sciences (PNAS)*, 119(32).
- Han, W., Pietersen, R., Villamor Lora, R., Beveridge, M., Offeddu, N., Golfnopoulos, T., Theiler, C., Terry, J., Marmar, E., & Drori, I. (2022a). Tracking blobs in the turbulent edge plasma of a Tokamak fusion device. *Nature Scientific Reports*.



Best paper award winner

Asian Conference on Machine Learning (ACML) 2021



Competition 1st and 2nd place winners

Mentoring winning teams and follow-up papers, Learning to Drive, IEEE/CVF International Conference on Computer Vision (ICCV) 2019



Competition 1st and 3rd place winners

Mentoring winning teams, MineRL BASALT, Learning from Human Feedback in Minecraft, NeurIPS 2022



Competition silver winner

Mentoring winning teams, Neural Massively Multiplayer Online (MMO) challenge, NeurIPS 2022



Teaching excellence certificate

Tel Aviv University 2017



Award for mentoring best student capstone projects

Colman 2017

TEACHING EXPERIENCE

Deep Learning (10 classes)

Artificial General Intelligence

[Columbia University](#)

[Department of Computer Science](#)

📅 2017-present

📍 New York, NY

Meta Learning

Applied Machine Learning (2)

Introduction to Machine Learning (4)

[Massachusetts Institute of Technology](#)

[Electrical Engineering & Computer Science](#)

📅 2020-2022

📍 Cambridge, MA

Deep Learning (2)

Artificial Intelligence (2)

Artificial General Intelligence

Principles of Machine Learning

[Boston University](#)

[Department of Computer Science](#)

📅 2022-present

📍 Boston, MA

Deep Learning (3)

Optimization

Introduction to Data Science (2)

Introduction to Machine Learning

[New York University](#)

📅 2017-2019

📍 New York, NY

Data Visualization (2)


- Siemenn, A., Shaulsky, E., Beveridge, M., Buonassisi, T., Hashmi, S., & Drori, I. (2022). A machine learning and computer vision approach to rapidly optimize multiscale droplet generation. *ACS Applied Materials & Interfaces*.
- Donoho, D. L., Tsaig, Y., Drori, I., & Starck, J. L. (2012). Sparse solution of underdetermined systems of linear equations by stage-wise orthogonal matching pursuit. *IEEE Transactions on Information Theory*, 58(2), 1094–1121.
- Drori, I. (2007b). Fast ℓ_1 minimization by iterative thresholding for multidimensional NMR spectroscopy. *EURASIP Journal on Advances in Signal Processing*, 1.
- Hurowitz, E. H., Drori, I., Stodden, V. C., Donoho, D. L., & Brown, P. O. (2007). Virtual northern analysis of the human genome. *PLoS One*, 2(5).
- Ur Rahman, I., Drori, I., Stodden, V. C., Donoho, D. L., & Schroder, P. (2005). Multiscale representations for manifold-valued data. *SIAM Journal on Multiscale Modeling and Simulation*, 4(4), 1201–1232.
- Drori, I., Cohen-Or, D., & Yeshurun, H. (2003b). Fragment-based image completion. *SIGGRAPH, ACM Transactions on Graphics*, 22(3), 303–312.
- Drori, I., & Lischinski, D. (2003). Fast multiresolution image operations in the wavelet domain. *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 9(3), 395–411.
- Fleishman, S., Drori, I., & Cohen-Or, D. (2003). Bilateral mesh denoising. *SIGGRAPH, ACM Transactions on Graphics*, 22(3), 950–953.

Conference Proceedings

- Drori, I., Zhang, S., Chin, Z., Shuttleworth, R., Lu, A., Chen, L., Birbo, B., He, M., Lantigua, P., Tran, S., Hunter, G., Feng, B., Cheng, N., Wang, R., Hicke, Y., Saisamrit, S., Raghavan, A., Siemenn, A., Singh, N., Lynch, J., Shporer, A., Verma, N., Buonassisi, T., & Solar-Lezama, A. (2023). A dataset for learning university STEM courses at scale and generating questions at a human level. In *Educational Advances in Artificial Intelligence (EAAI)*.
- Raghavan, A., Chin, Z., Siemenn, A. E., Petsiuk, V., Surbehera, S., Hicke, Y., Chien, E., Kerret, O., Buonassisi, T., Saenko, K., Solar-Lezama, A., & Drori, I. (2023). Text to graphics by program synthesis with error correction on precise, procedural, and simulation tasks. In *Submitted*.
- Zhang, S., Shuttleworth, R., Chin, Z., Lantigua, P., Surbehera, S., Hunter, G., Austin, D., Hicke, Y., Tang, L., Karnik, S., Granberry, D., & Drori, I. (2023). Automatically answering and generating machine learning final exams. In *Submitted*.
- Han, W., Pietersen, R., Villamor Lora, R., Beveridge, M., Offeddu, N., Golfinoopoulos, T., Theiler, C., Terry, J., Marmar, E., & Drori, I. (2022b). Tracking blobs with machine learning in the turbulent edge plasma of a Tokamak. In *64th Annual Meeting of the American Physical Society Division of Plasma*.
- Singh, N., Kates, B., Mentch, J., Kharkar, A., Udell, M., & Drori, I. (2022). Language aware zero-shot AutoML. In *Submitted*.
- Singh, N., Lennon, K., Fransen, K., O'Brien, A., Arefeen, Y., Beveridge, M., Cao, M., & Drori, I. (2022). Image2Lego: Customized LEGO® set generation from images. In *Submitted*.
- Tang, L., Ke, E., Singh, N., Feng, B., Austin, D., Verma, N., & Drori, I. (2022). Solving Probability and Statistics problems by probabilistic program synthesis at human level and predicting solvabil-

Tel Aviv University

 2016 – 2017


 Israel

Introduction to Data Science (2)
Introduction to Cybersecurity (3)
Software Project Management (2)
Capstone Project (2)

Colman

School of Computer Science

 2016–2017

 Israel

Statistical Methods in Engineering and the Physical Sciences

Stanford University

Department of Statistics

 2007

 Stanford, CA

SESSION / AREA / PANEL CHAIR / PC











-  International Conference on Learning Representations (ICLR)
-  Neural Information Processing Systems (NeurIPS)
-  Neural Information Processing Systems (NeurIPS) Datasets and Benchmarks
-  International Conference on Machine Learning (ICML)
-  AAAI Conference on Artificial Intelligence
-  European Conference on Machine Learning and Knowledge Discovery in Databases (ECML-PKDD)
-  AAAI Symposium on Educational Advances in Artificial Intelligence (EAAI)
-  Machine Learning in Computational Biology (MLCB)
-  NeurIPS Workshop on Learning Meaningful Representations of Life (LMRL)
-  ICML Workshop on Automatic Machine Learning (AutoML)
-  ICLR Workshop on Neural Architecture Search
-  ACM SIGMOD
-  IEEE Visualization Conference

REVIEWER







-  IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)

ity. In *International Conference on Artificial Intelligence in Education (AIED)*.

- Drori, I., Ponnampati, M., Costa, A., Beck, A., Goodwin, D., Kharkar, A., Tubiana, J., Schneidman, D., & Wolfson, H. (2021). Morphing semi-supervised protein structures predicted using distance and torsion representations with deep graph ranking. In *Critical Assessment of PRediction of Interactions (CAPRI) COVID-19 Open Science Initiative*.
- Drori, I., & Vanschoren, J. (2021). Meta Learning Tutorial. In *AAAI Conference on Artificial Intelligence*.
- Han, W., Offeddu, N., Gofinopoulos, T., Theiler, C., Tsui, C., Boedo, J., Terry, J., Marmar, E., Pietersen, R., Villamor Lora, R., Beveridge, M., & Drori, I. (2021). Exploring the edge/SOL fluctuations in negative triangularity plasmas on TCX. In *63rd Annual Meeting of the American Physical Society Division of Plasma*.
- Huang, J., Strome, M., Jenkins, I., Williams, P., Feng, B., Wang, Y., Bagri, V., Cheng, N., & Drori, I. (2021a). Solving the families in the wild kinship verification challenge by program synthesis. In *Proceeding of IEEE International Conference on Automatic Face and Gesture Recognition (FG)*.
- Mokhtar, S., Beveridge, M., Cao, M., & Drori, I. (2021). Pedestrian wind factor estimation in complex urban environments. In *Proceeding of Asian Conference on Machine Learning (ACML)*.
- Singh, N., Mentch, J., Ng, J., Beveridge, M., & Drori, I. (2021). Image2Reverb: Cross-modal reverb impulse response synthesis. In *Proceeding of IEEE/CVF International Conference on Computer Vision (ICCV)*.
- Tran, S., Pakuwal, I., Krishna, P., Kafle, P., Singh, N., Lynch, J., & Drori, I. (2021). Solving machine learning problems. In *Proceeding of Asian Conference on Machine Learning (ACML)*.
- Drori, I., Ji, J., Fan, Z., & Kharkar, A. (2020). Morphing semi supervised protein structures predicted using distance and torsion representations with deep graph ranking. In *Critical Assessment of Techniques for Protein Structure Prediction (CASP) 14th Community Wide Experiment*.
- Drori, I., Kharkar, A., Sickinger, W. R., Kates, B., Ma, Q., Ge, S., Dolev, E., Dietrich, B., Williamson, D. P., & Udell, M. (2020). Learning to solve combinatorial optimization problems on real-world graphs in linear time. In *Proceeding of IEEE International Conference on Machine Learning and Applications (ICMLA)*.
- Moretti, A., Wang, Z., Wu, L., Drori, I., & Pe'er, I. (2020). Variational objectives for markovian dynamics with backward simulation. In *Proceeding of European Conference on Artificial Intelligence (ECAI)*.
- Provinciali, C., Kim, J., Liu, Y., & Drori, I. (2020). Realistic real-time voice swapping from single unpaired sentences. In *Demo in International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*.
- Drori, I., Thaker, D., Srivatsa, A., Jeong, D., Wang, Y., Nan, L., Wu, F., Leggas, D., Lei, J., Lu, W., Fu, W., Gao, Y., Karri, S., Kannan, A. [Annand], Moretti, A., Keasar, C., & Pe'er, I. (2019). Accurate protein structure prediction by embeddings and deep learning representations. In *Proceedings of Machine Learning in Computational Biology (MLCB)*.
- Thakoor, K. A., Zheng, Q., Nan, L., Li, X., Tsamis, E., Dwivedi, I., Drori, I., Sajda, P., & Hood, D. C. (2019). Assessing the ability of CNNs to detect glaucoma from OCT probability maps. In *The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting*.

-  **European Conference on Computer Vision (ECCV)**
-  **IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)**
-  **IEEE Transactions on Image Processing (TIP)**
-  **IEEE Transactions on Signal Processing (TSP)**
-  **Journal of Machine Learning Research (JMLR)**
-  **ACM Transactions on Graphics (ToG)**
-  **IEEE Transactions on Visualization and Computer Graphics (TVCG)**
-  **ACM SIGMOD International Conference on Management of Data**
-  **IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)**
-  **Computer Vision and Image Understanding**
-  **EURASIP Journal on Advances in Signal Processing**
-  **Eurographics/IEEE VGTC Conference on Visualization**
-  **Eurographics**
-  **IEEE Visualization Conference**
-  **SIAM Journal on Multiscale Modeling and Simulation**
-  **Dutch Research Council (NWO)**
-  **Israel Science Foundation (ISF)**

PARTICIPATION

-  **UCLA, IPAM**
Multi-scale structures in analysis of high dimensional data
-  **Berkeley, MSRI**
Mathematical computational and statistical image analysis
-  **Stanford University**
Responsible conduct of research
-  **Stanford University**
Teaching and course design
-  **Massachusetts Institute of Technology**
Columbia University
IRB social-behavioral research training
-  **The Association for the Scientific Study of Consciousness (ASSC)**

- Drori, I., & Donoho, D. L. (2006). Solution of ℓ_1 minimization problems by LARS/homotopy methods. In *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*.
- Drori, I., Stodden, V. C., & Hurowitz, E. H. (2006). Fast ℓ_1 minimization for genomewide analysis of mrna lengths. In *Proceeding of Genomic Signal Processing and Statistics (GENSIPS)*.
- Drori, I., Fishbach, A., & Yeshurun, H. (2004). Spectral sound gap filling. In *Proceeding of International Conference on Pattern Recognition (ICPR)* (pp. 871–874).
- Drori, I., Cohen-Or, D., & Yeshurun, H. (2003a). Example-based style synthesis. In *Proceedings of IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*.
- Drori, I., & Lischinski, D. (2000). Wavelet warping. In *Proceedings of Eurographics Rendering Techniques* (pp. 113–124).
- Drori, I., Joskowicz, L., & Sacks, E. (1999). Contact analysis of spatial fixed-axes pairs using configuration spaces. In *Proceedings of IEEE International Conference on Robotics and Automation (ICRA)*.

Workshops

- Cochrane, J., Beveridge, M., & Drori, I. (2022). Generalizing imaging through scattering media with uncertainty estimates. WACV Workshop on Applications of Computational Imaging.
- Costa, A., Ponnampati, M., Alcaide, E., Palepu, K., Bhat, S., Chatterjee, P., Jacobson, J. M., & Drori, I. (2022). Interdocker: End-to-end cross-attentive and geometric transformers for efficient iterative protein docking. NeurIPS Workshop on Learning Meaningful Representations of Life (LMRL).
- Petsiuk, V., Siemenn, A., Saisamrit, S., Chin, Z., Tyser, K., Hunter, G., Raghavan, A., Hicke, B., Yann adn Plummer, Kerret, O., Buonassisi, T., Saenko, K., Solar-Lezama, A., & Drori, I. (2022). Human evaluation of text-to-image models on a multi-task benchmark. NeurIPS Workshop on Human Evaluation of Generative Models (HEGM).
- Siemenn, A., Buonassisi, T., & Drori, I. (2022). A billion-scale materials structure dataset.
- Chawla, S., Singh, N., & Drori, I. (2021). Quantifying and alleviating distribution shifts in foundation models on review classification. NeurIPS Workshop on Distribution Shifts: Connecting Methods and Applications.
- Costa, A., Ponnampati, M., Palepu, K., Bhat, S., Alcaide, E., Jacobson, J. M., Chatterjee, P., & Drori, I. (2021). End-to-end cross-attentive and geometric transformers for efficient iterative protein docking. NeurIPS Workshop on Learning Meaningful Representations of Life (LMRL).
- Huang, J., Strome, M., Jenkins, I., Williams, P., Feng, B., Wang, Y., Bagri, V., Cheng, N., & Drori, I. (2021b). Top 3 in fg 2021 families in the wild kinship verification challenge. Families in the Wild Kinship Verification Challenge.
- Liu, G., Wang, P., Beveridge, M., Kwo, Y.-O., & Drori, I. (2021). Predicting the atlantic multidecadal variability. NeurIPS Workshop on Tackling Climate Change with Machine Learning (CCAI).
- Park, E., Kim, J. D., Aoki, N., Cao, M., Arefeen, Y., Beveridge, M., Nicholson, D., & Drori, I. (2021). Predicting critical biogeochemistry of the Southern Ocean for climate monitoring. NeurIPS Workshop on Tackling Climate Change with Machine Learning (CCAI).

GRANTS AWARDED

- **Google**
Cloud grant for learning to learn Math in Computer Science, 2021
- **Microsoft**
Azure grant for efficiently cleaning up low earth orbit, 2021
- **Cornell University Center for Data Science for Enterprise and Society**
Azure grant for efficiently cleaning up low earth orbit, 2021
- **Google**
COVID-19 research cloud grant, 2020

GRANTS SUBMITTED

- **Sony Focused Research Award**
2022
- **Amazon Research Award**
2022
- **Google Research Award**
2022
- **NSF Emerging Frontiers in Research and Innovation (EFRI), Brain-Inspired Dynamics for Engineering Energy-Efficient Circuits and Artificial Intelligence (BRAID)**
2022

MILITARY SERVICE

Computer Service Directorate
Captain in reserve

IDF

📅 1995 – 2015

📍 Israel

Center of Encryption & Information Security

IDF

📅 1994

📍 Israel

Graduated 1st in class in Officers Academy

IDF

📅 1993

📍 Israel

Air Crew Officer

IAF

📅 1990 – 1992

📍 Israel

1st in class award in Flight Academy studies

IAF

📅 1991

📍 Israel

- Shaulsky, E., Siemenn, A., Beveridge, M., Buonassisi, T., Drori, I., & Hashmi, S. (2021). Artificial intelligence enhances enhances control parameter space investigation in flow-focusing droplet generation. 95th ACS Colloid and Surface Science Symposium.
- Drori, I., Kates, B., Sickinger, W. R., Kharkar, A., Dietrich, B., Shporer, A., & Udell, M. (2020). Galaxy TSP: A new billion node benchmark for TSP. NeurIPS Workshop on Machine Learning for Autonomous Driving.
- Drori, I., Liu, L., Ma, Q., Kates, B., & Udell, M. (2020). Zero-shot autoML. Annual Machine Learning Symposium.
- Lamm, N., Srikanth, M., Jaiprakash, S., & Drori, I. (2020a). Trajectories: Which semi-supervised trajectory prediction model to use? ICML Workshop on AI for Autonomous Driving.
- Lamm, N., Srikanth, M., Jaiprakash, S., & Drori, I. (2020b). Vehicle trajectory prediction by transfer learning of semi-supervised models. NeurIPS Workshop on Machine Learning for Autonomous Driving.
- Aridor, G., Wolansky, N., Jacob, J., & Drori, I. (2019). Training poisoning in imperfect information games. Annual Machine Learning Symposium.
- Diodato, M., Li, Y., Goyal, M., & Drori, I. (2019). Winning the ICCV 2019 Learning to Drive Challenge. ICCV Autonomous Driving Workshop.
- Drori, I., Krishnamurthy, Y., de Paula Lourenco, R., Rampin, R., Cho, K., Silva, C., & Freire, J. (2019). Automatic machine learning by pipeline synthesis using model-based reinforcement learning and a grammar. ICML Workshop on AutoML.
- Drori, I., Liu, L., Koorathota, S., Yi, N., Li, J., Moretti, A. K., Freire, J., & Udell, M. (2019). AutoML using metadata language embeddings. NeurIPS Workshop on Meta-Learning.
- Drori, I., Thaker, D., Srivatsa, A., Jeong, D., Wang, Y., Nan, L., Wu, F., Leggas, D., Lei, J., Lu, W., Fu, W., Gao, Y., Karri, S., Kannan, A. [Anand], Moretti, A. K., Keasar, C., & Pe'er, I. (2019). Protein structure prediction with deep learning representations. NeurIPS Workshop on Learning Meaningful Representations of Life (LMRL).
- Kashyap, P., Phatale, S., & Drori, I. (2019). Prose for a painting. ICCV Workshop Closing the Loop Between Vision & Language.
- Lovjer, A., Yeom, M., Schifferer, B., & Drori, I. (2019). Using segmentation masks in the ICCV 2019 Learning to Drive Challenge. ICCV Autonomous Driving Workshop.
- Ma, Q., Ge, S., He, D., Thaker, D., & Drori, I. (2019). Combinatorial optimization by graph pointer networks & hierarchical reinforcement learning. AAAI Workshop Deep Learning on Graphs.
- Sharpe, S., Yan, J., Wu, F., & Drori, I. (2019). Visual natural language query auto-completion for estimating instance probabilities. CVPR Language and Vision Workshop.
- Drori, I., Dwivedi, I., Shrestha, P., Wan, J., Wang, Y., He, Y., Mazza, A., Krogh-Freeman, H., Leggas, D., Sandridge, K., Joshi, C., Goenka, S., Nan, L., Thakoor, K., Keasar, C., & Pe'er, I. (2018). High quality protein Q8 secondary structure prediction by diverse neural network architectures. NeurIPS Workshop on Machine Learning for Molecules and Materials.
- Drori, I., Krishnamurthy, Y., Rampin, R., de Paula Lourenco, R., Pizentini Ono, J., Cho, K., Silva, C., & Freire, J. (2018). AlphaD3M: Machine learning pipeline synthesis. ICML International Workshop on Automated Machine Learning.
- Johnsen, G. W., Lin, L., Yu, L., Dempsey, A., Mhasawade, V., Jaroslawicz, D., & Drori, I. (2018). Explainable musical phrase completion.

EXTRACURRICULAR



Flight training

Student pilot, towards private pilot certificate



Chess

Draw vs. grand master level



Music

Juilliard extension courses



Triathlon

Olympic: swimming, cycling, running

LANGUAGES

Hebrew



English



Spanish



Chinese



CITIZENSHIP

EB-1A Green Card

Authorized to work in US

Israeli

ICML Joint Workshop on Machine Learning for Music.

- Stirn, A., Kwiatkowski, R., & Drori, I. (2018). Deep mutual information. Annual Machine Learning Symposium.
- Drori, I. (2008). Compressed video sensing. BMVA Symposium on 3D Video-Analysis, Display, and Applications.
- Drori, I., Leyvand, T., Cohen-Or, D., & Yeshurun, H. (2004). Interactive object segmentation in video by fitting splines to graph cuts. ACM SIGGRAPH, Posters session.