

EDUCATION	MIT, DMSE & CSE <i>MS/PhD in Computational Materials Science</i> • Google Schwarzman College of Computing Fellow, 2024 • The Elie Shaio Memorial Award, 2023 2022 - 2027 (<i>expected</i>)	Cambridge MA, USA
	Technion, Materials Science and Engineering <i>BSc, Materials Science and Engineering</i> • Rothschild Excellence Program Fellow, 2017-2022 • Dean's Excellence Award, 2019-2022 • Minor in Machine learning and Computational Science 2017 - 2022	Haifa, Israel
PUBLICATIONS	Known Unknowns: Out-of-Distribution Property Prediction in Materials <i>Nofit Segal[*], Aviv Netanyahu[*], Pulkit Agrawal[†], Rafael Gomez-Bombarelli[†], in submission</i> • Spotlight talk in AI4Mat @ Neurips, Materials Research Society (MRS) Fall Meeting, '24	
PROFESSIONAL EXPERIENCE	MIT, Learning Matter Group <i>Graduate RA, P.I. Prof. Rafael Gomez Bombarelli</i> • Materials discovery and inverse design using (1) Extrapolation in materials property prediction (2) Multimodal representation learning and generative modeling 2023 - 2027 (<i>expected</i>)	Cambridge MA, USA
	Technion, Electrochemistry and Energy Lab <i>Undergraduate RA, P.I. Prof. David Eisenberg</i> • Developed a 3D simulation to study percolation in a carbon-based porous electrocatalyst 2020 - 2022	Haifa, Israel
PROJECTS	A Deeper Look into Equivariance for Materials Data <i>Advanced Deep Learning course 6.S989, MIT</i> 2023 Implemented and trained E(3) Equivariant and non-equivariant GNNs for molecular energy prediction, comparing performance and latent geometry interpretability.	
	A Data-Driven Framework for Work Function Prediction Using Tree-Based Models <i>Undergraduate Senior Project, Technion</i> 2022 Trained gradient-boosted trees for predicting work functions of solid materials, performing exploratory data analysis and feature importance analysis.	
	Sentence Transformer-VAE <i>Deep Learning course 046211, Technion</i> 2022 Built a Transformer-based VAE for sentence generation, exploring reconstruction and latent space interpolation.	
VOLUNTEERING	MIT ESOL <i>Tutoring English for MIT service employees</i> 2022 - present	
	MIT CSE Student Board <i>Treasurer</i> 2022 - present	
	Rabin Leadership Program <i>Participated in the establishment of an after-school center for children</i> 2012 - 2013	