

# Nimrod De La Vega

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## Education

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**Mila Institute / Polytechnique Montréal (University of Montreal)**  
*PhD in Computer Engineering (Reinforcement Learning)*

**Aug 2025 — Ongoing**

- Affiliated with Mila (Quebec Artificial Intelligence Institute), focusing on reinforcement learning research.
- Supervised by Prof. Amir Massoud Farahmand.

**Tel Aviv University**

**2021 — 2023**

*Master of Computer Science*

- Graduated *magna cum laude* with a GPA of 95/100.
- Cofirst author of a spotlight NeurIPS 2023 paper on theoretical deep learning as part of my thesis.
- Awarded a research scholarship for fulltime study at the Foundations of Deep Learning Lab.

**Tel Aviv University**

**2018 — 2022**

*Bachelor of Computer Science and Electrical Engineering*

- Graduated *magna cum laude* with a GPA of 90/100.
- Selected to the Dean's List in the third year.
- Awarded the 'Initial Steps in Research Program' scholarship, including a twosemester tuition waiver recognizing outstanding young researchers.
- Awarded a \$5,000 USD scholarship from the Institute for Smart Transportation at Tel Aviv University for research on object detection using machine learning.
- Finalist in the universitywide workshop projects competition (year 3) with a project on image compression using deep neural networks.

## Employment History

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**Teaching Assistant, Tel Aviv University**

**2021 — 2023**

*Tel Aviv, Israel*

As a teaching assistant, I helped instruct classes and labs and guided student projects. Courses I was involved in:

- Deep Learning Workshop
- Foundations of Deep Learning course
- Introduction to Machine Learning course

## Publications

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- Y. Alexander,\* N. De La Vega,\* N. Razin, N. Cohen. "What Makes Data Suitable for a Locally Connected Neural Network? A Necessary and Sufficient Condition Based on Quantum Entanglement." In the conference on Neural Information Processing Systems (NeurIPS). \*Equal contribution by the first two authors.

## Languages

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English, French, Hebrew

## Skills

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Python, SQL, C, Matlab, Java, PyTorch, TensorFlow, Julia, SciPy, LaTeX