

Gerardo Hernández

Computational Science Student

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OVERVIEW

I am a student from CETYS University with experience in the machine learning field, with a high interest in reinforcement learning. I am also interested in the server side rather than the frontend itself. Having confident experience developing mock API's.

EDUCATION

CETYS Universidad, Tijuana — *Computational Science*

August 2018 - Present

PROJECTS

Snake 3D with RL Algorithm — *JS/Three.js/WebDev* [Link](#)

Recreation of the classic video-game "The Snake" into a 3D scenarium. Implemented with a Reinforcement Learning algorithm from scratch.

MNIST with ANN — *Python/Pandas/Matplotlib* [Link](#)

A basic Artificial Neural Network from scratch to deal with MNIST task. (Recognition of Handwritten Digits).

KNN Implementation — *Python/Numpy/Plotly* [Link](#)

The implementation was made with python, and the purpose of the project itself, it was for pure academic demonstration.

K-Means — *C++/Python/Matplotlib* [Link](#)

This algorithm seeks to find the centroids among all points, based on the number of 'K' clusters, with the main purpose to group up certain observations to a certain centroid.

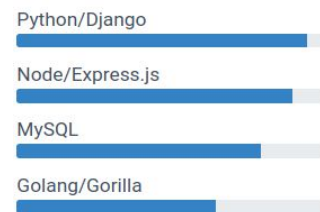
AWARDS

🏆 **Hackify League**

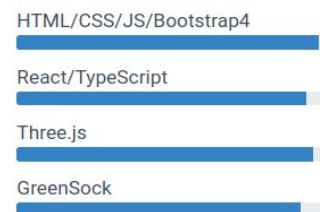
Winner of the first place of the challenge 'TOMATAZOS'

SKILLS & TOOLS

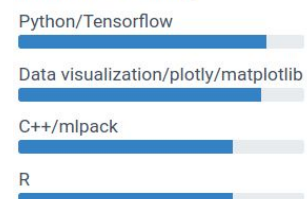
Backend



Frontend



Machine Learning



LANGUAGES

English (Efficient)

Spanish (Native)

LINKS

[Github](#)

[Linkedin](#)