Eduardo Turriza Fortoul

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EDUCATION

Instituto Tecnológico Autónomo de México   Graduating December 2026
B.S. in Computer Engineering

Universitat Pompeu Fabra   Spring 2024
Exchange student for one semester in which I had the opportunity to learn about Machine Learning, Deep Learning and Computer Graphics.

Dublin Oak Academy   2018-2019
One year exchange in Dublin, Ireland. It was my first approach to an international experience.

WORK EXPERIENCE

ITAM CONSTRUYE
Program coordinator   January - June 2024
Managed the whole program for English classes directed to older adults. I was responsible for assigning the teacher and supervising the whole program itself. By the end of the course, most students felt ready to try the advanced level.
English teacher for older adults   August - December 2023
Designed and delivered English classes for older adults, classes went from basic to advanced level. Homework, study plan, and class material were designed by me.

Independent   December 2023
Database administrator
- Database designer and administrator for "El Dorado" farm, made a WEB application that facilitates inventory count and farm finances.

EXTRACURRICULAR ACTIVITIES

Construyendo   October 2019
For one year a group of volunteers visited the most affected zones of 2017's earthquake, to help in the restoration of different buildings and houses.

MAJOR PROJECTS

Noise removal from images using Machine Learning   June 2025
Cleaning of distorted images using Convolutional Neural Networks with Python, using PyTorch and Pandas.

Decoder   May 2025
Decoder capable of decrypting messages by using Recurrent Neural Networks with Python using PyTorch.

Analysis of crime statistics in Los Angeles   December 2024
Depuration and analysis of Los Angeles Police Department database with more than 900,000 records.

Optimized DBSCAN   October 2025
Developed a sequential version of DBSCAN algorithm and later parallelized the code to achieve a desired speedup. Used Visual Studio Code and OpenMP for implementation.

SKILLS

PROGRAMMING LANGUAGES
Java, SQL, Matlab, C, C++, C# Python, Visual Basic, VHDL

FRAMEWORKS & TOOLS
OpenMP, OpenMPI, CUDA, PyTorch, OpenACC

LANGUAGES
English (Cambridge C1 certificate), Spanish (Native)

ACADEMIC AWARDS

Leader of Anahuac robotics team in Premio LIDERA

Ranked among top 5 nationally at Torneo Académico Intercolegial in fields like maths and chemistry