

Hector Guzman

North Hollywood, CA

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Deep Learning, NLP Engineer with an 6 years of remarkable experience.

As a skilled problem solver, enjoy solving complex challenges using diverse range of programming languages, including Python and R.

Proficient in deep learning frameworks such as TensorFlow, PyTorch, as well as expertise in NLP and Computer Vision.

Rich experience with Chatbot, NLP project development including Model Training, Upgrade and other NLP Stack.

Authorized to work in the US for any employer

Work Experience

NLP Engineer

Lingco Language Labs - East Lansing, MI

April 2023 to March 2024

- Collaborated with data scientists to develop and implement natural language processing models using OpenAI's GPT-3, improving text classification accuracy by 3%.
- Specialized in Health Chatbot Development from several clients located in US. talkhealth.ai is my representative ware.

Deep Learning Engineer

ClosedLoop.ai - Austin, TX

December 2019 to April 2023

- Participated in the development and update of an advanced U-net combined neural network to detect the nodule area of the femur in CT images.
- Designed prediction algorithms for COVID-19 and other lung diseases. Attended in the development of a dedicated medical chatbot for patients with lung-related diseases.
- Based on previous experience, proposed the design of a disease prediction machine learning algorithm using the different sounds in the patient's organs and carried out several works for it.

Software Engineer

Bdeo - Madrid, Madrid provincia

June 2017 to October 2019

- Attended in Company Website Upgrade for 2 months and improved speed of Website from 0.1s to 0.02s.
- Trained a Convolutional Neural Network to analyze images of Automatic License Plate and correctly identify the License and used transfer learning to increase performance by 5% and simplify the model.
- Applied LSTM network to predict the way Assisted in creating a DL model that detects anomalies in the building process of a construction robot and machine reducing downtime by 83% & processed action measures to predict the state of the machine reducing fix cost by 20%.

Education

Associate's degree in Business

Pepperdine University - Graziadio Business School - Los Angeles, CA

October 2015 to March 2017

Bachelor's degree in Computer Science

Polytechnic University of Madrid - Madrid, Madrid provincia

September 2011 to March 2015

Skills

- Computer Vision (5 years)
- Python (8 years)
- Pytorch (5 years)
- Keras (5 years)
- TensorFlow (5 years)
- AWS
- Node.js (6 years)
- React (6 years)
- Express.js (6 years)
- MongoDB (6 years)
- GPT-3
- Next.js (3 years)
- BERT
- R
- Machine learning
- Deep learning
- AI chatbots (6 years)
- Healthcare IT (2 years)