José Javier Chacón Mejía

Date of birth: 19/02/1998 | **Nationality:** Peruvian | **Gender:** Male | (+51) 930994926 | josejch11@gmail.com |

https://jchaconm.github.io | www.linkedin.com/in/josé-chacón-mejía-02b874136

EDUCATION AND TRAINING

08/2020 – 03/2021
APPLICATION DEVELOPMENT WITH ARTIFICIAL INTELLIGENCE SPECIALIZATION – Pontifical Catholic University of Peru

- **Relevant Coursework:** Time Series Analysis with Deep Learning, Machine Learning, Conversational Chatbot Design, Computer Vision, Data Visualization, Bioinspired Computation, Game AI.

03/2014 – 12/2018
BACHELOR IN COMPUTER ENGINEERING (CLASS RANK: 1ST, GPA: 4.0/4.0) – Ricardo Palma University

- **Relevant Coursework:** Comprehensive IT Solutions, Information Systems Design, Software Architecture, Project Management Workshop, Process Innovation.

WORK EXPERIENCE

01/2021 – CURRENT
SOLUTION ANALYST – NTT DATA EMEAL

I was assigned a project whose client is Banco de Crédito del Perú, one of the top banks in Peru.

- Developing a Big Data solution for Factoring and Confirming services to automate their affiliation of business using an Azure Data Factory pipeline.
- Managing Data Engineering tools on Azure to fulfill the requirement of having continuous flow of data and better accessibility of data for Factoring service current workflows.
- Analyzing the reimbursement process involving worksheets associated to Factoring services in order to design a new system that could replace the legacy system that is being used in production.

05/2019 – 12/2020
SOLUTION DEVELOPER – ITSIGHT S.A.C

- Developed the 100% of backend components for JITZONE, a platform that offers freight transportation services. Implemented geolocation tracking and cross-messaging solution for user devices, reducing API calls by 30% compared to previous implementation.
- Maintained web applications in production, such as a biometric based solution for a Peru's governmental institution and an B2C platform for electronic payments.In both applications reduced SLOC by 20% while maintaining performance.

02/2017 – 08/2018
PRACTITIONER ANALYST – AMÉRICA MÓVIL PERU S.A.C

- Automated ETL processes for prepaid and postpaid telephony services that fed Analytical Reports.
- Refactored ETL process for metric generation for prepaid line and mobile traffic consumption, reducing data load time by 25%

PROJECTS

Votin Chatbot

- Build a Deep Learning-based Chatbot with RASA Framework for Peru's 2021 presidential election.
- Goal for the chatbot was to give users enough information to vote responsibly.
- Implemented a Question Answering workflow using BETO, a BERT model trained on a spanish corpus.
- Build a scrapper to gather each candidate's resume and government plans from official sources.

Repository

2021 US Capitol Attack Analysis using NLP

- Goal was to gain insights from the event while applying NLP techniques.
- NLP techniques used were topic modeling, word embeddings and sentiment analysis.
- Built a dataset with forums comments posted while the Capitol Attack was happening.
- Results helped distinguish how the tone and topics of discussions were changing over time.

Repository

Energy Consumption Prediction with LSTM and Keras Tuner

- Objective was to model and forecast energy consumption from a Chemical Plant.
- A LSTM model built with Tensorflow trained on data based on machines conditions and historical energy consumption across different areas.
- Explored different models (Random Forest ,CNN,LSTM) looking for the best metrics.
- Used Keras Tuner library for hyperparameters search.

Repository

ADDITIONAL EDUCATION

09/2021

Neuromatch Academy - Deep Learning

Completed the interactive track of Deep Learning course offered by Neuromatch Academy.

- Worked alongside academia members from South America, Europe and Asia on the final project "Musical Classification with Spectrograms" , building models based on GTZAN dataset (Presentation)
- Studied a variety of topics, such as Attention Models, Generative Models, Continual Learning and Unsupervised Learning. Completed tutorials designed by industry and academia experts.

CERTIFICATES

AZ-900 Microsoft Azure Fundamentals - Microsoft

AI-900 Microsoft Azure AI Fundamentals - Microsoft

Natural Language Processing with Classification and Vector Spaces - DeepLearning.AI

Introduction to Computer Science and Programming Using Python - Massachusetts Institute of Technology

DIGITAL SKILLS

Machine Learning / Data Science

Pytorch | Natural Language Processing (NLP) | Scikit-Learn | Numpy | Evolutionary algorithms | Keras | Pandas | Data Visualization | LSTM | Tensorflow | Conversational AI | Deep Learning | Plotly | Matplotlib

Programming

Python | Java | Javascript | SQL | Scala

Software

Git | Docker | Jupyter | Spark | Google Cloud | Azure