

ALEXANDER LEONARDO LIQUE LAMAS

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About me

Computer Science student with a focus on software development, artificial intelligence, DevOps, agile methodologies, cloud technology (AWS, GCP, Azure), and Big Data.

Education

State University

Student (5th Year), Computer Science, National University of Engineering

Mar. 2019 – Now

Lima, Perú

Experience

Ganemo

Software Developer

Oct. 2022 – Now

Lima, Perú

- Software developer with a focus on testing and programming in the Odoo framework. I have experience in analysis, design, programming, testing, and maintenance of enterprise applications, with skills in Python, databases, and teamwork. I am known for solving complex problems and working in challenging environments.

Smart City Lab

Software Developer Freelance

Aug. 2022 – Now

Lima, Perú

- Developer and researcher in SMART CITY at CTIC-UNI, working on interdisciplinary projects involving IoT, software, and cloud computing. Proficient in various technology areas with practical experience in applying technology to complex problems in different fields.

Projects

Smart Parking | React-Native, Express, Render, GraphQL, MongoDB, TypeScript, Javascript

Jan. 2023

- Project Leader of the Smart Parking project as Scrum Master, implementing computer vision models to display real-time parking availability on a Google Maps application. Skills in GraphQL, TypeScript, Express, and AI enabled technology integration.

Football Player Tracking | Pytorch, Python, OpenCV, HuggingFace, Jupyter Notebook

Aug. 2022

- I researched AI models (DETR, Faster-RCNN) for tracking soccer players in SoccerNet using Python, PyTorch, OpenCV, and HuggingFace.

Style Transfer Translator App | Java, Android Studio, Tensorflow

Aug. 2022

- I developed a project in Android Studio for artistic style transfer in images from the gallery, using TensorFlow Lite for efficiency on mobile devices. I acquired skills in mobile programming and image processing with AI.

Prediction of Ratings in Reviews. | Pytorch, Python, Streamlit, Jupyter Notebook, Hugging Face

Jan. 2022

- I researched advanced natural language processing architectures, the Transformers (BERT, ROBERTA, ELECTRA), for star rating classification on the YELP Reviews dataset, using Streamlit, PyTorch, and Python to explore and select the appropriate architecture with satisfactory results.

Chatbot Acecom | Tensorflow, Pytorch, Python, Heroku, Netlify, React, FastApi, Hugging Face

Jul. 2021

- I participated in the implementation of a neural network-based chatbot on a web application hosted on Heroku, using TensorFlow, PyTorch, FastAPI, React, and Hugging Face for natural language processing. Applied skills in AI, web programming, teamwork, and NLP tools.

Sentiment analysis | Pytorch, Python, Streamlit, Docker, Jupyter Notebook, Hugging Face

Jul. 2021

- In my Natural Language Processing research, I compared models based on the BERT Transformer architecture to analyze sentiment in the Amazon Reviews dataset. I used tools like Streamlit to visualize results, Docker for managing development and production environments, PyTorch for implementing models, and the HuggingFace library for using pre-trained models. The entire project was developed in Python.

R-tiz | Python, Flask, React, OpenCV

Aug. 2021

- I participated in the development of a web application, deployed locally, focused on providing AI and OpenCV-based filters for digital art enthusiasts.

Topics of AI | *Python, JupyterNotebook*

Febr. 2021

- I participated in a GitHub repository focused on topics in Artificial Intelligence.
- I taught topics related to Python for Machine Learning and Deep Learning, as well as an introduction to Flask.

Technical Skills

- **Programming languages:** Python, Java, C++, JavaScript and R, SQL.
- **Integrated Development Environments:** VS Code, Eclipse, Google Colab, Jupyter Notebook, NetBeans, Dev-C++, Atom, Android Studio.
- **Database Management Systems:** PostgreSQL, MongoDB
- **Frontend technologies:** HTML/CSS, React.
- **Backend technologies:** Node.js, Streamlit, Flask
- **Machine Learning technologies:** Pytorch, Tensorflow, Matplotlib, Seaborn, Scikit Learn, Pandas
- **Big data technologies:** Spark, Databricks
- **Operative Systems:** Linux, Windows. ,
- **Containers technologies:** Docker.
- **Test APIs:** Postman.
- **Cloud Computing:** Amazon Web Services

Soft Skills

- | | |
|-----------------|-------------------|
| • Collaboration | • Empathy |
| • Creativity | • Decision Making |
| • Adaptability | • Self-Motivation |

Languages

- **Spanish:** Native.
- **English:** Intermediate 12.

Extracurricular Activities

Member, Acecom

Student group of the Faculty of Science.

Mrz. 2021 – Now

National University of Engineering

- I was part of the board of directors of the association. (Treasurer)
- Active member of the Artificial Intelligence team. (Currently the team boss).

Awards

ABET Project Fair

Sep. 2021

National University of Engineering

- * 1st place at the ABET accreditation project fair 2022-1 in the Faculty of Sciences at UNI. Category: Computer Science Group II (5th - 8th semester).

Certificates

PostgreSQL from Zero to Advanced (pgAdmin4 and Shell)	Mrz. 2023
Machine Learning with Python. Advanced Machine Learning	Jan. 2023
Natural Language Processing with Attention Models by deeplearning.ai and Coursera.	Feb. 2022
Emerging Technologies Workshop: Model-Driven Programmability by Cisco	Dec. 2021
Workshop on Emerging Technologies: Experimentation with REST APIs using Webex Teams, offered by Cisco.	Oct. 2021
Deep Learning otorgado por deeplearning.ai y Coursera	Set. 2021
Sequence Models, offered by deeplearning.ai and Coursera.	Set. 2021
Convolutional Neural Networks, awarded by deeplearning.ai and Coursera.	My. 2021
Structuring Machine Learning Projects by deeplearning.ai and Coursera.	Abr. 2021
Improving Deep Neural Networks offered by deeplearning.ai and Coursera.	Abr. 2021
Neural Networks and Deep Learning” offered by deeplearning.ai and Coursera	Mrz. 2021
Remote Work Course provided by Platzi.	Mrz. 2020