Christian Angeles

LinkedIn | GitHub | Portfolio

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FULL STACK DEVELOPER + JR. DATA SCIENTIST

Software Engineer with over **2 years of experience** developing projects using **Python, HTML, CSS, JavaScript**. I have knowledge of popular frameworks such as **Angular and FastAPI** I also have comprehensive training, as well as hands-on experience in applied machine learning projects.

TECHNICAL SKILLS

Languages	:	Python,JavaScript,R, HTML, C#
Frameworks	:	Angular, FastAPI
ML Libraries	:	Tensorflow, Pytorch, Keras
Databases	:	SQL Server, PostgreSQL, MongoDB
Dev Tools	:	Visual Studio Code, Git, Jupyter Notebooks, Tableau

EXPERIENCE

Machine Learning Engineer Intern — Jun 2023 – Oct 2023
Klover.ai — *Remote – Ruston, United States*

- Reading and discussing recent articles and papers in the field of **Machine Leaarning** and **Artificial Intelligence**. In some cases, attempts were also made to replicate the experiments and findings of the authors.
- **Cleaning and preparing datasets** for model training and evaluation.
- Implementing and experimenting with different machine learning algorithms and architectures, using tools like **TensorFlow** and **PyTorch** to enhance the efficiency and scalability of the models.
- Measuring **accuracy**, **recall**, **F1-score**, and other relevant metrics, and conducting **A/B tests** to compare the performance of different models or approaches.

Fullstack Developer — Jan 2021 – Sep 2023
Information Insight — *Remote – Mexico City, Mexico*

- Management of +80 different databases using **SQL Server**
- Worked with **AWS Lambda** to develop serverless microservices using **Python** or **C#**
- Application of **Angular** to optimize **several internal applications**, managing to improve the performance of other departments.
- Develop endpoints for multiple APIs through **FastAPI** simplifying code and saving computational cost, all to optimize various processes.

Data Analyst — Jun 2020 – Dec 2020
Binahria Analytics — *Pachuca, Mexico*

- Development of **electoral data visualization system**, for political analysis. Applying **Angular, Flask, QGis.**
- Implementation and development of object detection models with **Tensorflow**, applied to a **system of surveillance for detection of license plates** with an accuracy of 91%.
- Planning and development of predictive systems applied to the **forecast of renewable energies requirements** for self-sustaining housing complexes.

EDUCATION

Universidad Politécnica de Pachuca — Hidalgo, Mexico
Software Engineering — *Sep 2016 – Feb 2020*

PROJECTS

Diabetic retinopathy detector — *Python, Tensorflow, Neural Networks, Git* — Source Code

- Development and implementation of a **Convolutional neural network** applied to images, seeking to diagnose diabetic retinopathy from ocular fundus.
- Working with **Messidor** and **APTOS** datasets to achieve **80% diagnostic accuracy**

ACHIEVEMENTS

- <u>Third place</u> – "Aerospace Challenge" on Cyber IA Hackathon 2021

- <u>Second place</u> – "IoT/Smart Cities" on Campus Party Hackathon 2017 (CPMX8)

- <u>Special guest</u> – **"Taller conjunto sobre Deep Learning y Ciencia de Datos"** in CIMAT Guanajuato, México 2019.

- <u>Special guest</u> – **"Séptimo Seminario y Sexta Escuela Nacional de Aprendizaje e Inteligencia Computacional"** in BUAP Puebla, México 2019.

LANGUAGES

- Spanish(Native)

- English(B2)