



JUAN PABLO TREVIÑO LOZANO

STUDENT IN COMPUTER SCIENCE AND TECHNOLOGY ENGINEERING

CONTACT DATA

Cellphone: +52 81 2148 6543

Email: juanptl2000@gmail.com

[LinkedIn](#)

GitHub: [JPTL2000](#)

IDENTIFICATION DATA

Birth date: 04/10/2000

Nationality: Mexican

Residency: Monterrey, Nuevo León, Mexico

PROFILE

Last-semester university student, developing in the area of Data Science and Artificial Intelligence.

I am interested in a job that allows me to contribute to the company, applying and developing my knowledge in data collection and analysis or predictive models.

EDUCATION

University: ITESM Monterrey Campus

GPA: 98/100

Graduation: June 2023

Exchange at Concordia University in Montreal, Canada, taking Data Science and Machine Learning courses.

Academic Mentor of Excellence

WORK EXPERIENCE

Attraction Services Intern

ITESM, Feb 2022- Present

System migration used for inbound marketing:

- CRM management
- API creation
- Existing API usage
- Following email automatization (Jira, Salesforce, Hubspot)

CERTIFICATES

Machine Learning - Stanford Online

Data Engineering - IBM

In progress: Machine Learning model deployment

LANGUAGES

Spanish: Native Italian: Advanced Korean: Basic

English: Advanced French: Intermediate

PROFESSIONAL SKILLS

- Project Management knowledge and its different roles.
- Knowledge in software development methodologies, including Agile and SCRUM.

PROGRAMMING LANGUAGES

- Python • R • Java • C++
- MATLAB • Clojure • Racket

Query languages for relational and NoSQL databases

- SQL • MongoDB

Web development languages

- HTML • CSS • Javascript

DATA ENGINEERING

Data pipelines, ETL & ELT:

- Airflow • Kafka • Shell scripting - Bash

Big Data:

- Spark • Hadoop

Data Warehouses, Data Marts & Data Lakes

Architecture design diagrams for databases and software systems.

API development:

- Node.js • Flask

Web crawling & scraping:

- Scrapy • BeautifulSoup

Data wrangling:

- Numpy • Pandas • SciPy

Data repositories

- RDBMS: • MySQL • PostgreSQL

- NoSQL: • Document-based databases - MongoDB

DATA SCIENCE

- Data structures • Advanced algorithms

Data visualization:

- Matplotlib • Seaborn • Tableau • Cognos

Practical and theoretical knowledge in Machine Learning and Deep Learning:

Supervised and unsupervised learning models

- Linear & polynomial regression • Logistic regression • SVM
- KNN • Maximum Likelihood • Kernel Density
- Bagging • Gaussian Mixtures • K-means
- Neural nets • Naive Bayes • Decision trees
- Boosting • Random forest
- Convolutional NN • Recurrent NN

Model evaluation metrics

Machine Learning and Deep Learning libraries

- Tensorflow • PyTorch • scikit-learn

RELEVANT PROJECTS

- Deep learning Natural Language Processing system to predict task effort given a user story. Deep Learning model deployed in web page. (Python, TensorFlow, Flask)
- Experimentation on the effects of dropout in overfitting models of 7 datasets. (Python, TensorFlow)
- Sentiment analysis on clustered documents retrieved by web scraping. (Python, Scrapy, BeautifulSoup)
- Diverse Machine Learning models for water potability prediction. (Python, scikit-learn)
- Agent based vehicular traffic simulation with intelligent traffic lights. (Python, AgentPy, Unity)
- Web page management for the Academic Mentors of Excellence of the Tec de Monterrey. (SQL, Node.js)