
ALEJANDRO JOSÉ CORTÉS

PERSONAL OBJECTIVE: To use my knowledge and experiences with a good attitude and apply them to the required task, being academic studies or professional career, achieving a better performance, and in return, improving through continuous learning. My professional mission is to plan, develop, and optimize products or services through my technical and engineering knowledge.



- Marital Status: Single
- Nationality: Honduran
- Date of Birth: December 7, 1995
- Hsinchu, Taiwan • 886-0958 309 287 • alex.cortes.i10@gmail.com

Work Experience

May 2017 - July 2017

AKU Advance - Lear Corporation

Advance Key User. ERP software technical support at Lear Corporation.

July 2017 - Dec 2017

Professional Practice - Falcon Ingeniería

Development of a monitoring system through a Scada in Honducafe. Duration of 6 months

Feb 2018 - Sept 2021

Project Engineer - Ingea

- PLC control panel migration of a critical cement blocker production line in Conhsa. 3 months.
- Developed and programed a PLC for a clothing fabric machine, with its mechanical installation, to improve production time in Gildan.
- Installation of several electrical metering devices in numerous companies, with the Schneider software PME (Power Monitoring Expert) to visualize graphs and recolect data.

July 2022 - August 2022

IBM Internship - DTT (Data Transformation Team) : Data Engineer Intern

- McDonald's Project focusing on creating Indicators and Tags of customer's behaviors to employ better marketing techniques.
- Created Configuration File with Source Group of specific tables to run Redshift's store procedures (to update Indicators/Tags)
- Created Lambda python script "Execute SQL Script", to run Glue Jobs of each group batch calling the specific source groups.
- Worked on the Redshift SQL queries, creating the specific store procedures which make the indicators/tags needed. These queries would be run periodically through Lambda/Glue.

August 2023 - Present

English Teacher

English teacher at cram schools.

Education

2001 - 2013

Bachelor of Science and Literature

Escuela e Instituto Bilingue Valle de Sula

2014 - 2016

Intern of Computer Systems Engineering

Universidad Tecnológica Centroamericana UNITEC San Pedro Sula

Completed 2 years

2013 - 2018

Graduated in Mechatronics Engineering

Universidad Tecnológica Centroamericana UNITEC San Pedro Sula

Graduated Magna Cum Laude

2021 - 2023

Master in Information Systems and Applications

National Tsing Hua University

GPA: **4.27**. Graduated with A/A+ in all courses. Vision of becoming a Data Scientist.

Skills

Language

- Spanish: Native Speaker
- English: Fluent
- Italian: Studied 1 year

Industrial Automation

- **PLC** (Programmable Logic Controller): RSLogix500, Factory Talk View Studio, Schneider PLCs
- **Electrical Metering**: PME (Power Monitoring Expert).
- SolidWorks 2016

Programming

- **Deep learning**: CNN, LSTM, Autoencoder, Random Forest, Densenet, Deep Neural Networks, and similar AI Regression and Classification models.
- **Tensorflow** 2.0, pandas, scikit-learn, seaborn.
- **Data Handling**: Preprocessing data, data cleansing, data analysis.
- **ReactJS** front-end development
- Some experience on **AWS**: S3, Lambda, Glue, Cloudwatch, Redshift
- **Spatial and Graph Database** Experience: PostgreSQL and Neo4j
- Matlab experience + **EEGLAB** for Brain Wave Analysis and Cleaning