

EDUCATION

CETYS University

2022 - 2026

Computer Science - Relevant Coursework.

Data Structures, Machine Learning, Evolutionary Computation, Databases, Image Processing, Object Oriented Programming, Parallel Computing, Analysis of algorithms, Probability and statistics

WORK EXPERIENCE

I3PL (Cross-Border Logistic Solutions)

March 2025 - September 2025

Data Analyst

- Avoided direct costs by reducing >2-hour container dwell through live milestone visibility and proactive alerts—preventing avoidable charges and keeping loads on schedule through PowerBI dashboards.
- 80% less manual work by automating daily reporting (Python + scheduled flows), freeing the team for analysis.
- Fewer errors by standardizing multi-API data and publishing company-wide reports in SharePoint.
- Higher data quality & less rework by launching a Power Apps solution for operator/import/export capture, replacing ad-hoc spreadsheets.
- Owned Power BI end-to-end: data modeling, visual design, deployment, performance tuning, and ongoing maintenance.

ACADEMIC EXPERIENCE

Winter Abroad Yonsei Big Data Analysis

Student - December 2023 - January 2024, Seoul, South Korea.

Studied a course for big data analysis at Yonsei University, Korea.

Learned the core fundamentals of Hadoop, HiveQL, Tableau, Excel to interpret big data and PowerBI visualization.

Learned to interact and be in a multicultural space from people all around the world.

CETYS University Annual Engineering Expo

Developer - September 2023 - December 2023 - December 2024 - June 2025, Tijuana, B.C.

Worked with my team developing a web interface connected to an Oracle data system

Made a database from scratch with Oracle.

Played a role as a developer in a project involving image scaling using python.

Worked with task delegation, timelines and showed teamwork to be able to present a good project.

California State Los Angeles

Augmented AI for Thematic Analysis Capstone - August 2025 - Present - Los Angeles, CA (Remote)

Building an end-to-end NLP pipeline: SentenceTransformers embeddings - UMAP reduction - Clustering- Optuna for Hyperparameter optimization.

Designing LLM-assisted labeling & summarization: prompting labels, controlling granularity (hierarchical label tree)

Delivering a decision-support tool that ingests interviews/reviews and outputs a theme map, prioritized insights with labels

PROJECTS

NASA SPACE APPS HACKATHON

1st Place - OCT 2025, Tijuana, B.C

Building ExoVision: interactive learning + ML toolkit for exoplanet detection — Live demo:

<https://exovision.streamlit.app>

Designing an end-to-end DS pipeline (data prep - training/validation - inference), comparing 6 ML classifiers for best accuracy.

Shipping a public Streamlit app. (100+ participants; <48 hours).

AWS tool - Message Router

AWS Mentorship - August 2025 - Present

Building an event-driven pipeline for messages which includes different services (EventBridge, SNS, SQS, Lambda, Step Functions, DynamoDB, S3, RDS), with DLQs, retries, and X-Ray/CloudWatch observability.

Extending the platform with Bedrock (GenAI summary of the message) and OpenSearch.

GEAR WEB3 REGIONAL HACKATHON

2nd Place - JUNE 2023, Ensenada, B.C

Won 2nd place and 1000dlrs in a 24-hour regional Gear Hackathon with web3-based solutions, competing against teams including PhD students.

Required to demonstrate teamwork, creativity, resilience, and the ability to work proficiently in a fast-paced environment.

SKILLS & INTERESTS

Abilities: Python, SQL, PowerBI, Excel, PowerAutomate, PowerApps

Interests: AWS, LLMs, Reinforcement Learning, Machine Learning, Deep Learning

Languages:

English (Fluent)

Spanish (Native)