

ELIO EDUARDO UCÁN ZAPATA

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PROFILE

Data Engineering student at Universidad Politécnica de Yucatán with hands-on experience building ETL pipelines, cloud infrastructure (AWS + Terraform), and AI-powered APIs. AWS Academy certified, C1 English speaker, and Datathon 3rd-place award winner. Seeking a Data Engineering/Analytics internship for Sep–Dec 2026.

EDUCATION

Universidad Politécnica de Yucatán Expected Dec 2026

A.S. Data Science — Mérida, México

Universidad Politécnica de Yucatán Expected Dec 2027

B.S. Data Engineering & AI — Mérida, México

Holberton School Mérida Expected July 2027

DevOps Engineering Certification

CI/CD · Containers · Infrastructure as Code · Cloud

TECHNICAL SKILLS

Languages: Python, SQL, PySpark, Bash

ETL & Pipeline: Apache Airflow, Docker Compose, REST APIs, FastAPI

Data Warehousing: Snowflake, PostgreSQL

Cloud & IaC: AWS (EC2, S3, IAM), Terraform, Docker, Linux

AI & ML: pandas, scikit-learn, Anthropic SDK

Visualization: Power BI, Dashboard Design

Dev Tools: Git, GitHub, GitHub Actions

Database Design: Relational modeling, Normalization, Schema design

PROJECTS

ETL Pipeline — Airflow + Docker + PostgreSQL 2025–2026

Python · Apache Airflow · Docker · PostgreSQL · pandas · [Airflow-etl-pipeline](#)

- Production-grade daily ingestion pipeline consuming the CoinGecko REST API; achieves under 1% failure rate via Airflow retry logic and task-level error handling.
- Containerized with Docker Compose for zero-config deployment; demonstrates full pipeline architecture: ingestion, transformation, and PostgreSQL storage.

AI Agent — Anthropic API + FastAPI 2025–2026

Python · FastAPI · Docker · Anthropic SDK · PostgreSQL · [Ai-agent](#)

- Conversational agent with live tool use (CSV reader + PostgreSQL queries) and persistent memory, served as a production REST API via FastAPI.
- Deployed to AWS EC2 with Docker Compose; covers end-to-end LLM production deployment: prompt engineering, cloud infrastructure, and API design.

DC Operations Dashboard — Data Center Case Study 2026

Python · Streamlit · Plotly · Pandas · Docker · Terraform · AWS · [DC-dashboard](#)

- Multi-page operational dashboard for a 100 MW data center monitoring uptime SLA (99.982%), PUE trends, and TIA-942/ISO 27001 compliance across 5 operational views.
- Containerized with Docker and deployed on AWS with Terraform IaC; GitHub Actions CI/CD covers the full data visualization to cloud deployment lifecycle.

Infrastructure as Code — Terraform on AWS 2025

Terraform · AWS (EC2, S3, IAM) · AWS CLI · [Terraform-aws](#)

- Provisioned reproducible AWS environments (EC2 + S3) using modular Terraform with remote state; reduced provisioning time by approximately 90% (hours to under 10 minutes).

better-readmes — Claude Code Skill (Open Source) 2026

Anthropic SDK · Claude Code · npm/npx · [Better-readmes](#)

- Published open-source Claude Code skill that auto-generates READMEs and fills GitHub repository metadata; distributed via npm/npx.

AWARDS

3rd Place — UPY Datathon · 2025

Universidad Politécnica de Yucatán

3rd Place Holberton Programming Olympics · 50% scholarship awarded 2025

Holberton Anáhuac Mayab

CERTIFICATIONS

[AWS Academy Data Engineer](#) — Amazon Web Services 2025

[AWS Academy Cloud Foundations](#) — Amazon Web Services 2025

[Data Analyst in Power BI](#) — DataCamp 2026

[Database Design](#) — DataCamp 2026

[Introduction to Snowflake SQL](#) — DataCamp 2026

LANGUAGES

Spanish (Native) · **English C1** — iTEP International (4.7/6.0)