Carlos Lezama

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Carlos Lezama is a Data Scientist and Engineer with three years of experience, excelling in a rapidly expanding startup environment.

Skills

Programming languages	Technologies	Tools	DevOps and Cloud
Rust	Postgres	Git	Terraform
Python	Docker	Neovim	GitLab CI/CD
SQL	Snowflake	Visual Studio Code	GitHub Actions
Typescript/Javascript	Qdrant	Jupyter	Amazon Web Services
Golang	Next.js	GNU Make	Google Cloud Platform

Experience

DD360

Data Engineer, July 2023 — Present
- Engineered and implemented a real estate advertisement deduplication algorithm using vision transformer embeddings and supervised metric learning, achieving 95% precision. Optimized processing time from 22 hours to 10 minutes with Rust, and reduced subsequent model processing by up to 6x.
- Designed and executed ETLs for real estate metrics to improve model monitoring and accuracy.
- Managed relational and vector databases, ensuring seamless serverless deployment and operation.
- Created multiple data scrapers to expand datasets, enhancing the accuracy and performance of predictive models.

RappiCard

Data Engineer, February 2023 — June 2023
- Contributed to a collaborative effort for database migration in a global banking environment, implementing data isolation by country to enhance security and enforce strict information access controls among regions such as Mexico, Colombia, Peru, Brazil, and Chile.
- Developed and maintained automated data validation and testing processes to ensure data accuracy and completeness.
- Responsible for securely sharing hashed information with universities for research purposes.
- Worked collaboratively with cross-functional teams to define data requirements and ensure data quality and consistency.

Customer Lifecycle Analyst, May 2022 — February 2023
- Collaborated in the planning of strategies for increasing credit lines to maximize profit based on the consumption and payment patterns of our customers.

Datalab ITAM

Machine Learning Instructor, January 2022 — May 2023
- Provided personalized feedback and guidance to students to help them succeed on projects with a social focus.

Web Developer, January 2022 — December 2022
- Developed and redesigned ITAM's data science laboratory website using Hugo and GitHub Pages.

DiDi Food

Analytics Intern, December 2021 — April 2022
- Evaluated revenue optimization strategies to increase penetration and capture market shares for Mexico, Central America, and Colombia.

BlockchainDevs ITAM

Blockchain Development Intern, February 2020 — December 2021
- Proficient in the mathematical foundations of Blockchain and smart contract programming on the Ethereum network using Solidity.

Education

Instituto Tecnológico Autónomo de México (ITAM) — May 2023
Major: Bachelor of Economics
Minor: Economic Theory
- Statistical Learning Theory, Spring 2021
- Simulation Theory, Fall 2021
- Advanced Micro-econometrics, Spring 2022
- Empirical Industrial Organization, Fall 2022