Luis Alejandro Vázquez Zárate

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EDUCATION

IPN ESIME CULHUACAN – Superior School of Mechanical and Electrical Engineering Culhuacan Unit
Bachelor degree in Computer Engineering

Mexico City, Mexico
Graudating in July
GPA 3.3/4

IPN CECyT 2 "MIGUEL BERNARD PERALES" – Center of Scientific and Technological Studies
Technical degree in Digital Graphic Design

Mexico City, Mexico
August 2018 - July 2021
GPA 3.8/4

WORK EXPERIENCE

IPN CIC – Computing Research Center
Social Service

Mexico City, Mexico
September 2024 – June 2025

- Generation of synthetic documents to use them into a synthetic dataset using LM models.
- Analysis of documents generated by LM models for the synthetic datased based on an experimentation matrix.
- Website update of CIC's PICIS platform.
- Website design for CSIRT-CIC/> using security under attack framework.

PROJECTS

FORAMINIFEROS   **June 2020 - July 2021**

Designed 3D models for a scientific journal in the topic of foraminifera using Cinema 4D and Adobe InDesign

EL MIEDO A VIVIR (https://youtu.be/nZF70BE9GZ4?si=X-1cr6UjQzec4_tm)   **June 2021**
Short video made during COVID-19 lockdown to alert people of what was happening at the time. I edited It and uploaded it to YouTube.

TECHDRY   **January - July 2024**

Software engineering project prototype with the purpose of learning how to document software projects, I was responsible of creating Gantt charts and designing project components.
  - Project was documented following IEEE 830 and ISO standards.
  - MS Visio was used to create charts and MS Project for project timelines and control.

ZORRIANA (https://github.com/mheealx/zorriana)   **September 2024 - January 2025**
A POS app for a warehouse that allows users to create customers, suppliers, products, and incomes. I participated as a back-end developer and was also in charge of creating SQL queries.
  - Made with Oracle SQL, Java and NetBeans

NFCatch (https://github.com/mheealx/nfcatch)   **March 2024 – July 2025**

Final project involving designing an application capable of monitoring and identifying NFC events on Android devices by collecting, recording, and sending notifications to the user to provide feedback in order that they analyze interactions and make decisions.
  - Created with Java in Android Studio for Android devices running versions 8.1 and later.

SKILLS

PROGRAMMING LANGUAGES
4 years: C/C++
1 year: Java
6 months: Python

TECHNOLOGIES
HTML, CSS, JavaScript, SQL, Cisco Packet Tracer, Git, GitHub, VirtualBox, Linux: Kali, Ubuntu, Mint, Windows, MacOS, Android SDK e IDE, Unity 3D, Illustrator, Photoshop, InDesign, MS Project, MS Visio, NetBeans.

LANGUAGES
Spanish (Native)
English (B2)