Carlos Alberto Vega Pérez

📍 Puebla, Mexico   ✉️ A01731416@tec.mx

📞 +52 221 530 2118   in linkedin.com/in/carlos-vegap

THE TOOLS TO CHANGE THE WORLD ARE JUST ONE CLICK AWAY. AND I AM A CLICKER.

EDUCATION

››› ITESM Campus Puebla
B.S. IN COMPUTER SCIENCE AND TECHNOLOGY (ITC)
August 2020 - June 2024
College of Engineering
GPA : 98.8 / 100

››› PrepaTec Campus Puebla
HIGH SCHOOL
August 2017 - May 2020
GPA : 96.97 / 100

SKILLS

PROGRAMMING

Python 3 (Proficient)

C++ (Proficient)

R (Worked with)

Elixir (Worked with)

Javascript (Worked with)

React (Worked with)

SQL (Worked with)

LANGUAGES

Spanish (native)

English (B2) - FCE / Cambridge

German (A2) - ZA2 / ÖSD

EXPERIENCES

META UNIVERSITY FOR ENGINEERING | Internship
JUNE 2022 - AUGUST 2022 | CALIFORNIA, UNITED STATES

- I developed 'Around Us', a React-based platform where consumers and local restaurants are connected to promote a fairer and competitive market.
- Main features include filtering and matching algorithm to make recommendations for consumers according to preferences, get statistics on reviews, sign up as a new restaurant or claim an existing business from Google Places.

NAATIK | School Project
FEBRUARY 2022 - MAY 2022 | PUEBLA, MEXICO

- Landing page proposal for a **Naatik.ai**, a ML company based in Cuernavaca, Mexico. Created by a team of 5.
- The application uses vanilla HTML, CSS and JS for the front-end, and for the back-end PHP and MySQL
- I was in charge of creating home page, contact form and a separate admin site to control incoming information.
  https://github.com/RobinSpoiler/naatikWeb

SYNTAX HIGHLIGHTER | School project
FEBRUARY 2022 - MAY 2022 | PUEBLA, MEXICO

- I developed an application that analyzes C++ source code files using regular expressions to determine lexical categories and convert them into HTML & CSS for the result.
- I used Erlang to create regular expressions for the different lexical categories and Elixir to add concurrency to improve performance on a test of 200 files by reducing waiting time by 80%.

ATENEA | Back-end collaborator
SEPTEMBER 2021 - DECEMBER 2021 | REMOTE

- I implemented a REST-API using Flask for a social project that addresses harassment against women,
- The API encrypts/decrypts sensitive data using an AES block cipher in CBC operation mode and finally uploads it to our database.