DAVID HERNÁNDEZ URIOSTEGUI

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EDUCATION

B.S of Computer Science

Facultad de Ciencias – Universidad Nacional Autónoma de México

📅 August 2019 – June 2023

- GPA: 8.94 / 10

PROJECT SUMMARY

Twitter Data Analyser

⌂ https://github.com/DavidHdezU/TwitterDataAnalyser

📅 June 2021

– This project aims to fetch Twitter data such as posts and posts replies, and analyse this data, it show things like most common words used in replies to an user, most mentioned organizations, data sentiment analysis, compare users data. It still in development and looking forward to implement new features.

- Developed using Python and libraries such as Numpy, TextBlob, NLTK, Spacy, Matplotlib and Pandas.

Shamir Secret Sharing Scheme

⌂ https://github.com/DavidHdezU/ShamirSecretSharingScheme

📅 December 2020

– This is project is an implementation of the Shamir Secret Sharing Scheme to encrypt files using Lagrange Interpolation Polynomials and Finite Fields in order to have better protection encrypting files

- Developed using Python and libraries such as Numpy and Pycryptodome.

Cloud Coverage Index Reporter

⌂ https://github.com/DavidHdezU/Cloud-Cover-Index-Reporter

📅 November 2020

– A program that receives an image as input and calculates the Cloud Coverage Index from the image.

– Used the OpenCV library to manipulate each pixel from its RGB components and thereby select which pixels can be considered as clouds using a binary mask.

- Developed using Python with OpenCV and Numpy libraries

Weather Reporter

⌂ https://github.com/DavidHdezU/WeatherReport

📅 October 2020

– A CLI program used to obtain weather information from a given dataset of flight tickets.

– Used ThreadPoolExecutor to optimize the time execution, due to the limit rate from the API

- Developed using Python and OpenWeatherMap API

Introduction to CS Final Project - Chess Game

⌂ https://github.com/DavidHdezU/Java-_Chess

📅 December 2019

– Developed an interactive basic 2D chess game as final project, created a GUI from scratch to play.

- Developed using Java and Processing3

Find Me A Pal - Local Hack Day - Build

⌂ https://github.com/DiXap/LocalHackDay_Raccoons2019

📅 November 2019

PROGRAMMING

Python	●●●●○
Java	●●●●○
C/C++	●●●○○

LANGUAGES

Spanish	●●●●●
English	●●●●○
French	●●●○○

AWARDS

HACK Latam - Microsoft

Top 12

📅 February 2021   ⚲ Mexico City, Mexico

ICPC 2020

Participant

📅 September 2020   ⚲ Mexico City, Mexico

Local Hack Day - Build 2019

Third place

📅 November 2019   ⚲ Mexico City, Mexico

UNAMxHacks Hackathon

Participant

📅 October 2019   ⚲ Mexico City, Mexico

SKILLS

Linux   Data Structures   Git
Team Work   Consistent
Learning Potential   Multitasking
OOP

- Part of the development team of a hackathon project (third place) to build a website to help dogs in shelters find a new home.
- Developed using JavaScript, HTML and CSS

ABOUT ME

I consider myself as a very curious person, I enjoy searching and learning about new tech tools (and other stuff too) that can help me continue to develop my skills, and in that way I can contribute to society.