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: 8.87 / 10

PROJECT SUMMARY

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 nnteractive 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

- Part of the development team of a hackathon project (third place) to build a website to help dogs in shelters find a new home.
- Made the HTML base files to build the website.
- 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.

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