Miguel Arévalo

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Education.

Escuela Superior de Cómputo, Instituto Politécnico Nacional.   2018 – 2022

Bachelor of Science in Computer Systems Engineering

Projects.

Development of a biometric cryptosystem (making use of the distinctive feature of the fingerprint) implemented as a desktop application for Windows that performs the encryption, decryption, focused on generic binary files. and text files. Offering in this way the services of confidentiality and authentication.   2022

Implementation of a hybrid cryptosystem as a desktop application with the algorithms of AES and RSA that perfoms encryption and file signing. Offering the services of confidentiality, authentication and non-repudiation.   2021

Implementation of a Blog post web application using Python and Django.   2020

Skills and Qualifications.

Programming Languages:

C/C++ (proficient)

Python (proficient)

Java (proficient)

.NET C# (proficient)

Languages:

Spanish (Native)

English (Intermediate)

Operative Systems:

Windows (proficient)

Linux (proficient)

macOS (beginner)

Tools and Frameworks:

Django	CSS3
Bootstrap	Azure
HTML5	Git/Github

DBMS:

MySQL

Firebase

Awards and Leadership.

Participation on chess national and international tournaments in 2020.

Coach and coordinator of the Chess club of the institute from 2019 to 2021.

Member of the algorithm's club of the institute in 2020.

Participation on the 5th CAECH International Congress in June 2022.

Google Cloud Computing Foundations