Uriel Corona-Bermudez

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WORK EXPERIENCE

Axeleratum, Mexico — *AI Developer*

2019

Investigation, modification, training and evaluation of machine learning models applied to natural language processing using Pytorch and Tensorflow. CI/CD pipelines configuration using Azure DevOps. Development of the first version front-end of a metrics board using Vue, HTML5 and Bootstrap. Analysis, design and development of a IA-based metrics system using MongoDB, PostgreSQL, Node4j, NestJS (NodeJS) and Flask. Design of a security layer using OAuth 2.0 and Open ID. Design of a system architecture using AWS, Docker and microservices patterns design. Code integration using Git.

BBVA Bancomer, Mexico — *Programmer*

2018 - 2019

Analysis, design and development of a dollar account management system: Requirements gathering, database analysis and design, front-end design, back-end development using a Spring-based framework, unitary tests, integration tests and final-user tests. The used tools were SQL Server, Jenkins, Spring boot and Spring batch. Code integration using a SVN and CI/CD pipelines.

Bank of México, Mexico — Software analyst

2014 - 2016

Analysis, design and development of an information orchestrator for financial system using Java and EJBs. Customized Pentaho(ETL) components development. Analysis, design and development of the back-end for scheduled queries using Quartz. Analysis, design and development of a database objects management using HTML5, Bootstrap and JQuery..

EDUCATION

Centro de Investigación en Computación, Mexico
PhD in Computer Science

2020 - Present

Centro de Investigación en Computación, Mexico
MSC in Computer Science

2016 - 2018

Escuela Superior de Cómputo, Mexico
Computer Systems Engineering

2010 - 2014

PROYECTS

On the Computation of Optimized Trading Policies Using Deep Reinforcement Learning.

A smart agent used for automatization of cryptocurrencies investment strategies.

Neural Networks with External Dynamic Memory to Solve Algorithmic Problems.

Anaysis and verification of a model named Differentiable Neural Computer .

Criptosistema Biométrico Basado en la Red Vascular del Dorso de la Mano.

An authentication system using the back-hand vascular pattern.

SKILLS

C, C++, PHP, HTML, CSS, JS, SQL, Git, SVN, Java, Python, Data science, XML, Machine learning, Microservices, NodeJS, Restful, SOAP, GNU/Linux, Pentaho Scrum, Imagen analysis, NLP, Vue, Cryptography, CI/CD, DevOps, MongoDB, AWS.

LANGUAGES

Spanish, Native.
English, B2 certificate