Emmanuel Bolteada Manzo

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Education

Monterrey Institute of Technology and Higher Education
August 2019 - Expected graduation 2023 │ Pachuca, Hidalgo
- B.S. in Computer Science and Technology

Hidalgo Scientific and Technologic High School
August 2016 - June 2019 │Ixmiquilpan, Hidalgo
- Technical Degree in Software Development

Coursework

Professional Web Design Bootcamp - Udemy
September 2020
- Beginner to advanced web design course.

WordPress Tools Workshop - Monterrey Institute of Technology
February 2020
- 1 week workshop on how to get the most out of WordPress Tools and Plugins.

Blockchain Introduction Workshop - Blockchain Academy Mexico
October 2019
- Basic concepts and tools about how Blockchain works.

Experience

Programming Tutor
August 2019 - Current │ Self Initiative
- Occasionally help first and second year CS Students solving doubts about structured and object-oriented programming.

School system technical support
August 2018 - December 2018 │ Sor Juana English Institute
- Implemented local server system and provided end-user support.
- Managed Data Base changes and fixed technical errors.
- Improved system interface to be more user-friendly.

Programming Languages

Most Experienced
- Python
- C++
- C#

Proficient
- MATLAB
- HTML
- CSS

Familiar with
- R

Tools

UI/UX Design
- Adobe XD
- Photoshop
- Illustrator

Others
- .NET Framework
- SQL Server

Distinctions/Awards

- *Líderes del mañana* fully funded scholarship.
- *Chavos que inspiran* BBVA Foundation scholarship.
- High School class of 2019 Highest GPA (9.7/10).

Projects

CoinFee — C# WPF Desktop Application
2018
- Allows schools to easily manage their alumni and teacher Data Base. Makes payment of Tuition and Costs process easier and more efficient.
- .NET Framework Application and SQL Server DB Management.

Nsɇhe Hñähñu — C# WPF Desktop Application
2018
- Developed to preserve and promote Hñähñu Indigenous Language in Mexico by teaching elementary school students basic words through an interactive game-like application.
- .NET Framework and XAML used to make an eye-catching UI.

Vestivalle — E-Commerce web page
2019
- PrestaShop based platform to give Hñähñu artists the opportunity to sell their handcrafted products.

Matrix-Based Memory Matching Game — Python
2019
- Made as an structured programming practice to develop cognitive skills on children through an easy memory game.

Projectile Motion Graphic Simulator — MATLAB
2019
- Interactive simulator developed using MATLAB plot functions and physics concepts to create awareness of volcanic eruption dangers.

Formula 1 Accident Simulator — MATLAB
2019
- Interactive simulator developed using MATLAB plot functions and physics concepts to approximate the danger of an F1 car losing control during a race.

Phylogenetic Analysis of Influenza Varieties — R
2020
- R Script written to analyze different virus sequences from PUBMED using Biostrings and ggtrees libraries.

Calories consumption prediction model — Python
2020
- Project to get a better comprehension about Machine Learning and Data Science through linear regression, NumPy and Pandas Python libraries.

Airport behavior model — C++
2019
- Made as an object-oriented programming practice to replicate how a flight management system works.