

José Manuel Pedro Méndez

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OVERVIEW

Science Computer Student Proficient In Programming, Algorithms, Declarative Programing

2023 |

WITH KNOWLEDGE IN NETWORKING AND CYBERSECURITY, EXPERIENCED BACK-END DEVELOPER WITH SOME LANGUAGES. EXCELLENT MENTORING SKILLS IN PROGRESS.

EDUCATION

National Autonomus University of Mexico

GPA:9.47/10.0 (86.7%) Feb 2024 |

SCIENCE COMPUTER STUDENT

Relevant Courses: Advanced Data Structures; Algorithms Analysis; Operating Systems; Computer Network; Software Design; Back-End Development; Machine Learning and Artificial Intelligence.

CORE SKILLS

Languages: Java(Native), Python(Expert), Haskell(Deep knowlege), Racket(Deep knowlege), C#(Familiar), PROLOG(Familiar).

Web Development: Angular(Familiar) , JavaScript(Familiar), TypeScript(Familiar), HTML/CSS(Familiar).

Agile Development: Design Thinking, Design Sprint, REST APIs CRUD, SCRUM.

SKILLS

Technology/Frameworks: Git(Expert), Spring(Deep knowledge), Maven(Familiar), Docker(Familiar), Bitbucket(Familiar), Azure(Familiar), Apache(Familiar) , \LaTeX , Linux Command-Line(Familiar), Postman.

Databases: PostgreSQL(Native), MySQL(Familiar).

Strengths: Hard-working, Team-worker, Problem-solver, Persistence, Creative, Self-Managed.

Languages spoken: Spanish(Native), English(B2).

PROJECTS

"CIENCIAS TOP" 

JAVA 11, TYPESCRIPT, HTML, CCS, JAVASCRIPT, MAVEN, POSTGRESSQL, SPRING

Software (Back-End and Front-End) that allows renting some entertainment products using puma-points. CP-ABE encryption and used it to ensure files are secure at rest.

FINE TUNING OF GPT-2 FOR DIAGNOSTICS 

PYTHON, TRANSFORMERS, TENSORFLOW(KERAS), SKLEARN

Proyect where we comparated a our fine-tuning of gpt-2 vs B-LSTM vs Naive Bayes Clasifier for making disease diagnoses.

"TACO RIENDO" DATABASE 

THINKING DESIGN, SQL, PLPGSQL, POSTGRESSQL, PGADMIN4.

"Taco Riendo" taquerias database, school project of the subject Fundamentals of Databases. The database has several functions, several triggers and some useful procedures for the users.

VISUALIZATION OF SORTING ALGORITHMS 

JAVA, AWT, SWING, MAKE

A program that visually displays the steps of different sorting algorithms in an image. The MVC design pattern is used to separate the program logic into different components. The Factory Method design pattern is used to create Sort objects from parameters given in the constructor. The Observer design pattern is used in the UpdateWorker class, where partial updates of the image are published during the execution of the sorting algorithm.

MINIMUM WEIGHT GENERATOR FOREST 

PYTHON, DISJOINT SET, PRIORITY QUEUE

Program that finds the minimum weight generator forest of a given graph in a txt file using kruskal's algorithm with disjoint sets.

MAYBE I DONT HAVE EXPERIENCE IN THE INDUSTRY BUT SINCE MY STUDIES IN THE "COLEGIO DE CIENCIAS Y HUMANIDADES" I HAVE LEARNED HOW TO LEARN AND NOW I PLAN TO DO IT IN THE BEST WAY POSSIBLE.

PERSONAL INTERESTS

- Philosophy (I am participating in a seminar on the philosophy of computer science taught at my school.)
- Weightlifting (I like to exercise my body and become stronger every day.)
- Box(Beginner) and Rap Music.