Jorge Luis Torres Moreno

Analytics Engineer.
deMon2k collaborator.

Contact:
Mobile: 55 2111 6648.
e-mail: algoritmia.torres@gmail.com.
GitHub: https://github.com/JorgeLTM-cob.

Summary.

An experienced programmer with a passion for problem solving, developed sophisticated coding skills during the Mexico City Informatics Olympiad. His enthusiasm for acquiring new abilities has allowed him to be able to provide creative and novel solutions to the user's most complex needs.

Familiar with working in international environments: studied in the _Technische Universität München_ in Germany and has been contributing to the development of the quantum chemistry software _deMon2k_ since 2014.

Skills.

● C/C++	● Python	● Excel	● English (advanced)
● COBOL	● SQL	● SQL Server, DB2	● Spanish (native speaker)
● FORTRAN	● Shell Script	● awk	● Windows and Linux

Experience.

Analytics Engineer - _CINVESTAV_. Mexico City.   (01/2018 – Present)
- Produce, redesign, and refine code for _deMon2k_. **The upgrading of the 80% of the current tools** to examine magnetic properties is an outstanding result of this task.
- Obtain large data sets and analyze them by quantitative and qualitative methods looking for patterns and tendencies.
- Build methods to simplify the extraction of information and the design of different types of graphs.

Code internship - _CINVESTAV_. Mexico City.   (04/2014 – 04/2017)
- Implemented a **new subprogram** in deMon2k to study magnetic properties.
- Performed statistical analyses to the results given by deMon2k to determine the efficacy of some of its modules.
- Automated mechanisms for data collection in different sorts of files.

Certifications.

- **Data analyst** (https://capacitateparaelempleo.org/verifica/ynilcow1f/).
- **Big data viewer** (https://capacitateparaelempleo.org/verifica/w4w74zodq/).
- **Object oriented programmer** (https://capacitateparaelempleo.org/verifica/2kxabsyia/).
- Is constantly updating his knowledge and skills, all his certificates can be found here: https://github.com/JorgeLTM-cob/Certifications

Awards & acknowledgements.

- **Exchange program scholarship (_Technische Universität München_, Germany).**
  Succeeded in **graduate subjects** due to a showcase of knowledge and dexterity for **parallel programing and computational data analysis.**
- **First place in UNAM's Visual Basic programming contest.**
- **Silver medal at the Mexico City Informatics Olympiad.**

Education.

- **Major in Technology** - _Universidad Nacional Autónoma de México_.
  Trained in a high level of knowledge in programming and mathematics.
- **Technical Major in Computation** – _Universidad Nacional Autónoma de México_.
  Demonstrated remarkable skills in software development projects.