

Elyar Alberto López Dávila

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Skills

- > Building software with Object Oriented programming languages (Python, Java).
- > Knowledge of Python libraries (Numpy, Simpy).
- > Evolutionary, genetic and swarm intelligence algorithms.
- > Knowledge of relational databases (SQLserver, MySQL, PostgreSQL) and NoSQL (Firebase)
- > Control version software (Git, Subversion, Rational Team Concert)
- > Frontend web technologies (HTML, VueJS, Javascript, CSS)
- > Web services development with Mule ESB.
- > Willing to continuous learning
- > Problem oriented
- > Results oriented

Work experience

January 2020 – Today

Exter Control, Huatusco, Ver.

Design databases structures, information management systems and administration operations support.

January 2018 – December 2019

Freelance developer.

Web systems developing. Using VueJS and Javascript libraries for Frontend and Python language for backend and scripting. Design relational databases (MySQL) and NoSQL (Firestore).

July 2016 – June 2017

Developer. Grupo Salinas, México City

Developed java REST API and Mule ESB web services. Design SQL Server queries and stored procedures.

April 2015 – November 2015

Hermes Consultoría de Salud S. de R.L.

IT external consultant. Advisory on various issues of information and communication technologies.

January 2013 – August 2013

Laboratorio Nacional de Informática Avanzada (LANIA A.C.) Xalapa, Ver.

Web development using PHP, codeigniter and MySQL

Acknowledgement from Ecology Institute director, Dr. Martín R. Aluja Schuneman Hofer, for releasing a web platform for primates theses searching (Prima – T, primates.inecol.edu.mx)

April 2012 – September 2012

LANIA A.C. Technology Services Center, Xalapa, Ver.

Analyst and programmer. VB. NET. Web development

Education

2012-2014

Ms in applied computing.

Laboratorio Nacional de Informática Avanzada (LANIA A.C.), Xalapa, Ver.

Degree obtained in February 13 2015, by unanimous decision

My thesis: [Empirical comparative of multiobjective evolutionary algorithms for bullwhip effect and total costs reduction in supply chain](#) (in Spanish).

Relevant topics studied: Algorithms and data structures, software engineering, database engineering, computational intelligence, high performance computing

2007 – 2011

Bsc. in Computer Systems Engineering.

Instituto Tecnológico de Orizaba, Orizaba, Ver.

Degree Obtained in May 2012, An article titled "[Adaptation and Local Search in the Modified Bacterial Foraging Algorithm for Constrained Optimization](#)" from my internship work was published in proceedings of the IEEE Congress on Evolutionary Computation 2012.

Scholarships

2012 – 2014

Consejo Nacional de Ciencia y Tecnología (CONACyT) scholarship for a master degree.

Languages

- > English (upper intermediate)
- > Spanish (native)

Other interests

- > Data analysis.
- > Machine learning algorithms.
- > Digital transformation.
- > Research + development projects.
- > High Performance Computing.