Alejandro CASTELLANOS ALVAREZ
Software Engineer | Application Developer IBM

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in linkedin.com/in/alejandro-castellanos-alvarez-686359171   ⦿ Tamaulipas, Mexico

Focused on developing and solving mathematical models; I enjoy working in teams with people from different backgrounds and especially interested in machine learning and parallel programming.

🎓 EDUCATION

2021	**Master in Computer Science**, Tecnológico Nacional de México Campus Cd. Madero, Tamaulipas, México. Certificate in process.
2018	**Engineering in Computer Systems**, Instituto Tecnológico de Cd. Madero, Tamaulipas, México.

💼 EXPERIENCE

Present November 2021	**Application Developer, IBM,** Functional analyst, focused on the design and development of solutions for the industry with Agile methodology. `Java` `Oracle PL/SQL` `Spring Boot` `IVR` `Eclipse` `Maven` `Git`
November 2021 July 2021	**Application Developer, ACCENTURE,** Development, design and maintenance of technologies in line with business strategy. › Maintenance and updating of web components. › Functional analysis of requirements. `Java` `Oracle PL/SQL` `WebDynpro`
August 2019 February 2018	**Intern, LANTI-TECNM,** Configuration and adaptation of Institutional Repository for Tecnológico Nacional de México. › Adaptation and configuration of Dspace v6.3 › Development of the Rest Api for repository statistics consumption. › Adaptation and configuration of the OAI interface. `dSPACE` `JavaServer Pages (JSP)` `Flask` `Java` `Tomcat` `Python`

☰ SKILLS

Programming	Java (JEE) , C/C++, R, Python , JavaScript , HTML5 , SQL
Frameworks	Spring Boot, Vaadin, JavaFX, dSpace, Flask, WebDynpro, OpenMPI, Weka
Database	Oracle Database, MySQL, PostgreSQL, MongoDB.
IDE	IntelliJ Idea, Eclipse , Visual Studio Code.
Middleware	Nginx, JBoss , Apache Tomcat.
Office automation	LaTeX, Pack Office(Word, Excel, PowerPoint).

</> LANGUAGES

Spanish ●●●●●
English ●●●○○

➕ STRENGTHS

› Autodidact
› Analytical
› Responsibility
› Abstract thinking
› Teamwork

⬥ CERTIFICATIONS

2022   AWS Certified Cloud Practitioner, Amazon Web Services Training and Certification, `https://www.credly.com/badges/d137c622-6e35-4373-8e9e-7787a0974597`)

2022   Enterprise Design Thinking Practitioner, IBM, `https://www.credly.com/badges/8068a3f0-f58d-40f2-8910-90931731dbdf`

2022   IBM Agile Explorer, IBM, `https://www.credly.com/badges/e3d18cec-6555-400a-9d49-7abcab309d47`

⬥ PUBLICATIONS

2022   Castellanos A, Cruz-Reyes L, Fernández E, Rivera G, Gomez-Santillan C, Rangel-Valdez N. Hybridisation of Swarm Intelligence Algorithms with Multi-Criteria Ordinal Classification: A Strategy to Address Many-Objective Optimisation. Mathematics. 2022; 10(3):322. doi.org/10.3390/math10030322

2021   Castellanos-Alvarez A, Cruz-Reyes L, Fernandez E, Rangel-Valdez N, Gómez-Santillán C, Fraire H, Brambila-Hernández JA. A Method for Integration of Preferences to a Multi-Objective Evolutionary Algorithm Using Ordinal Multi-Criteria Classification. Mathematical and Computational Applications. 2021; 26(2):27. doi.org/10.3390/mca26020027

⬥ CONFERENCES

2021   Alejandro Castellanos-Alvarez, Laura Cruz, Hector Joaquin Fraire Huacuja, Claudia Gomez, Jose Alfredo Brambila-Hernandez, Nelson Rangel-Valdez and Jesus M. Velasquez-Bermudez. A multi-objective optimization method to estimate parameters of the COVID SEIMR/R-S model with a case study of Mexico. Numerical and Evolutionary Optimization September 08-10, 2021