

**MECHATRONIC ENGINEER**

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| |  |  | | --- | --- | |  | (+1) 832 540 8609 | |  | [*alejandralilian@hotmail.com*](mailto:alejandralilian@hotmail.com) | |  | *https://*[*github/liliancz*](https://github.com/liliancz) | | OBJECTIVE:  Design automated systems for automotive electronics, chemical, and transportation and aerospace, food and textile. Develop new solutions to industrial problems using electronic and mechanical processes and computer technology. Design and build new products by integrating various technologies. Carry out modelling, simulation and analysis of complex mechanical, electronic or other engineering systems using computers. |
| |  | | --- | | EXPERIENCE | | Instituto Mexicano del Petroleo  November 2011 – June 2014  Instrumentation and Control Specialist  Update of P&DI of oil and gas measuring system of several sectors.  Research of technologies for pipe-leak detection.  Update of defining bidding rules and hiring of the maintenance requirements for new equipment. | | SKILLS | | LANGUAGE C/C++/HTML/CNC/PYTHON/SDL  LANGUAGE SPANISH/ENGLISH | | |  | | --- | | EDUCATION | | HCC /// DIGITAL AND GAMING SIMULATION FOR PROGRAMMERS  (August 2018 – December 2019)  HCC /// INSTRUMENTATION AND CONTROLS ENGINNEERING TECHNOLOGY  (August 2016 - May 2018)  UAG /// MECHATRONIC ENGINEER  (August 2007 – December 2010) | | SOFTWARE | | MPLAB  MATLAB and Simulink  Autodesk Inventor  Autodesk Mechanical  LabWindows CVI  Solid Edge  SPSS  Adobe Photoshop  Unreal Engine 4  Microsoft Visual Studio  Word/Excel/PowerPoint/Publisher | |