# ALI LARA

alilarag@mail.com • (614) 440-6494 • aliglara @ Linkedin • Austin, TX

## SUMMARY

Analytical mindset, having extensive experience extracting useful facts from data. Enjoy open-ended issues and the application of developing technologies to challenging cases in various sectors. Good communicator with an optimistic outlook and a desire to solve problems.

## EXPERIENCE

**Process Assistant, Amazon, Austin, TX**                                            **Mar 2023 – present**

- Supervised a 35-member team aimed at developing an effective inbound workflow for processing 70k+ packages daily
- Streamlined the implemented workflow to reduce setup and processing time in a safe environment
- Tailored T1-employee team required to meet business goals daily.
- Adapted team resources based on statistical real-time manufacturing metrics
- Collaborated with leadership team in performing continuous evaluation of work methods, procedures, and policies
- Tracked performance and supports any identified retraining opportunities for T1-associates

**Yard Marshal, Amazon, Columbus, OH**                                            **Dec 2021 – Mar 2023**

- Coordinated with carriers to ensure timely and accurate delivery of goods to customers
- Handled dispatching duties and managed shipment tracking
- Maintained digital records of 20+ inbound and outbound linehauls on a daily basis
- Assisted in carrier contract negotiations and compliance
- Monitored Key Performance Indicators (KPIs) and reported results to management
- Authored an Excel-based tracking tool to reduce process defects in 75%
- Partnered a 15-member team aimed at developing efficient loading/unloading system for 40k+ of packages daily
- Monitored adherence to the established training programs to ensure standard work under a safe enviroment

**FC Associate, Amazon, Columbus, OH**                                            **Nov 2020 – Dec 2021**

- Seeked ongoing skill development on under-performing associates to meet production goals
- Outperfomed KPIs designed for tracking T1-associates performance: 379 UPH, 500+ average stow rate which represented being at the 95th percentile
- Classified hazardous residues following federal and local EPA/RCRA standards for handling, disposal or shipping
- Used technical knowledge to troubleshoot any issues related to damaged packages, processing hazmats, returns, and third-party contractor shipping
- Assisted to learning coordinator for coaching Day-1 and Week-1 associates in standards of work, and safety culture

**Machine Learning Engineer II, MCL Control, Venezuela**                          **May 2012 – Sep 2019**

- Served as Team Leader from design to execution of machine learning algorithms to develop predictive models and optimize the performance of advanced control process algorithms for rotary industrial machinery
- Managed data-driven solutions team of three researchers, identified vulnerabilities, tested solutions, established standardized workflow, and executed programs in oil/gas industry
- Constructed neural network models in Python/Tensorflow to estimate theorical physical parameters required by process simulations built on Aspen Hysys to improve the application performance
- Managed a 10-junior engineers' team over a one-year period and coached them on using XGBoost and random forest models to optimize the feature selection, via ROC/AUC metrics, for proposed machine learning solutions
- Executed more than five process simulation models per year, performing optimization studies, and preparing technical papers and presentations
- Gathered information, identified analytical requirements, and developed data-driven based models to translate complex business needs into actionable analytic projects
- Developed an assistive tool to perform HAZOP studies based on autoregressive models and machine learning techniques in compliance with design specifications
- Designed and implemented machine learning models to detect problems and predict failures using deep learning techniques, primarily for turbo-compressors and turbofans

**Researcher, Universidad Central of Venezuela, Venezuela**                        **Mar 2005 – Nov 2020**

- Researched chemical reaction engineering, mathematical modeling, simulation and optimization, process synthesis and design including economic assessments, process integration, and machine learning techniques for industrial process evaluation
- Lectured in several chemical engineering areas including thermodynamics, chemical reactor design, numerical methods, industrial process simulation, and statistical modeling
- Implemented a problem-solved learning experience in different subjects following the ABET guidance.
- Coached 200+ chemical engineering undergraduates with regards to academic pathways and toward degree completion and established and provided career counseling for a network of cooperatives, internships, and externships to foster academic to industry pipeline
- Mentored students throughout the process, developed semesterly goals and advised on study abroad opportunities based on the double-degree program of the Politecnico di Torino, and Sapienza University of Rome (Italy), IFP School (France), IESA School of Management (Venezuela), and Florida International University (USA)

## PROJECTS

**Miss Direction**                                                                                                **Aug 2016**

A mapping engine that misguides you:

- Won award at AIHacks 2016
- Built by all women team of newbie programmers
- Using modern technologies such as GoogleMaps, Chrome Extension and Javascript

## EDUCATION

**DataCamp.com, Python for Data Scientist**                                                                        **2017**

**Universidad Central of Venezuela, M.Sc. Chemical Engineering**                                                   **2005 – 2008**

**Universidad Central of Venezuela, B.Sc. Chemical Engineering**                                                   **1990 – 1998**

## SKILLS

- Process modeling: Statistical modeling, Matlab, Hysys
- Data Analysis: Excel, SQL, noSQL, Tableau
- Machine learning: Python, R, Tensorflow