



Galeana Bejarano Luis Alfredo

BIOENGINEER

I am cheerful, a very positive person, a straight guy with values, when I need to concentrate I can be a bit serious, I like to be helpful and to be constantly learning things and making inventions.

PERSONAL INFORMATION

Address : Calle Cucapas LB #9490 Matamoros
Mariano atamoros, Tijuana, B.C.
Date of Birth: 3 / July / 1996
Gender: Male
Nationality: Mexican

Work Experience

2021-2022

MECHANICAL DESIGNER / VR PROGRAMMER Industrial Automation Workshop FLUTE

As part of a multidisciplinary team we designed, programmed and built automation machines for different industries (medical, automotive, aerospace, etc) where I had my responsibility as 3D designer using as main tool Solidwork software, I implemented and developed an algorithm for advanced simulation using virtual reality of the machines that improved considerably the sale of the project and reduced considerably the design errors.

I am also able to work under pressure and time constraints and prioritize the details of the design so that the drawings are as accurate as possible according to the client's specifications.

2018-2021

MANUFACTURING TECHNICIAN Merit Medical.

Performing various activities, mainly I was in charge of the design area of the transfer project called "BIOPSY" which consisted of 6 families of products (Tru-Cut, Pencil point, Temno, Temno ACT, Temno Evolution and Achieve) Project that was successfully transferred from Dominican Republic to Mexico, it is worth mentioning that each family has its own models, with a total of approximately 100 different models that made up the project.

Implement technical drawings (2D plans) of the assemblies with all the specifications for each device of the different families. Design the fixtures used in the production lines of each family according to the quality specifications of the company along with all the documentation that goes with it.

Perform 3D designs and a VR simulation of the entire production line to optimize the line process and do restructuring. Perform engineering studies based on 3D simulations to solve design defects of the different products that were presented during the manufacturing process which were sent to the R&D department based in Soleit City for approval.

Develop 3D printing prototypes to implement improvements.

Sustain production lines as well as follow up on NC's.

Perform engineering changes, process improvements, BOM updates, Documentation, Drawing updates, MPS modifications, Etc.

Achievements and Certificates

Biophysiological Signal Processing (2017)

I realized in collaboration with my team of places a project that had as objective the obtaining of biophysiological signals (Electroencephalogram, Electromyograph, Electrocardiogram) all this applying basic electronics, to later analyze the obtained signals using a mathematical software such as matlab.

UABC Entrepreneurship (2017)

Honorary mention in the entrepreneurship event for the project entitled "Biodipro".

We built a system that detects myoelectric signals (muscle signals) to control home components (lights, doors, fans, etc) through a windows app developed in visual basic and another app for mobile developed in appinventor. The goal of this project was to help people with amputation or disability, to have or enhance their autonomy at home.

Project LAGNI (2018)

Personal project that using different programming languages can give life to a prototype of a virtual assistant with artificial vision system that can recognize the face of a person and is able to understand the alphabet in sign language, as well as understand some voice commands and follow up on some objective to be a

MERIT 2020 Best Project Award : Grinding (2020)

This project was developed with a very prepared team whose objective consisted mainly in the reduction of scrap in an area of great impact on the company, as results were obtained in which we obtained a reduction of scrap of 70% and an increase in capacity and in which I participated in the design area redesigning fixtures to improve the process and increase capacity given the results obtained the project was considered to participate.

Education

2009-2011

Xicotencatl Leyva Aleman Escuela Secundaria Tecnica Municipal No.2

Technical career in computer science
Final achievement grade of 9.3.

2011-2014

CBTIS 237 Industrial and Service High School No.237

Technical Career In Computer Science
Recognition of 3rd place in school achievement at the high school level.
Final grade of 9.4.

2014-2018

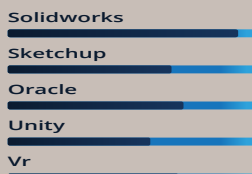
UABC ECITEC School of Engineering Science and Technology

Bioengineering Career
Complete my study plan and participate in different forums with different projects.

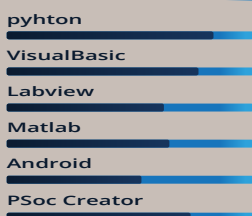
Skills and Competencies

Software

Design



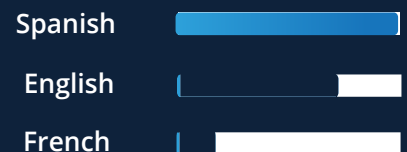
Programming



Skills



Languages



Interests

Robotic | Biotechnologies | Environment | Design | Design | Sports |
Reading | Music | Alternative Energy Sources | Video Games

Contact

✉ alfredogal123@gmail.com
☎ +52 664 855 9247
📍 Tijuana B.C.