



Alfonso VEGA GARZA

MECHATRONIC ENGINEER



CONTACT

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SUMMARY

- 3+ years providing fullstack solutions using mainly **JavaScript, CSS3, HTML5, PHP and MySQL.**
- Experience developing back end services with **.NET Core** and **Java Spring.**
- Familiar with **Selenium** and **Jest JavaScript framework** for automation testing.
- Experience using the **MVC** design pattern.
- Familiar with **jQuery** and **React.**
- Experienced using **LabVIEW** to create software capable to control actuators, read sensors and create automatic reports.
- Familiar using **GitHub, GitBucket, Source Tree and JIRA.**
- Familiar debugging **Node.js** web applications.
- Good communication skills both in **English and Spanish.**
- Familiar using the **Node Package Manager** for **JavaScript.**
- Experienced using **JavaScript** libraries such as **FullCalendar, DataTables** and **jquery-confirm**
- Experienced using **CSS Frameworks** such as **Bootstrap**

EXPERIENCE

2018 -
Present

FULLSTACK DEV. – NATIONAL SCHOOL OF MATHEMATICS– MEXICO CITY, MEXICO

My major accomplishment was to work on an internal web service for the national school of mathematics where I had the opportunity to work on both the back end and front end of the system. This system is responsible for the school class schedule and the payroll of the teachers.

Main activities:

- Front end development using JavaScript with jQuery, CSS and HTML.
- Back end development using PHP.
- Database with MySQL, MariaDB.
- Automated Testing with selenium and Jest.

2019

FULLSTACK.- VIT – MEXICO CITY, MEXICO

I worked alongside 20+ developers in a new system to analyse the Mexican stock market.

Main activities:

- Front end development using JavaScript with jQuery, CSS and HTML.
- Back end development using .NET Core with the Entity Framework.
- Database with MySQL.
- Unit testing and integration testing.

2019

TEST AUTOMATION.- CHAMBERLAIN – SONORA, MEXICO

For six months I worked full time in the Chamberlain's factory automating mechanical and radio frequency test procedures. Working with engineers from Sonora and Chicago.

Main activities:

- Mechanical and electrical design for the fixtures.
- Software development using LabVIEW and the DQMH architecture.
- Presentation of activities in the Chamberlain's Headquarters in Chicago.

EDUCATION

2015-2020

B.E. IN MECHATRONICS ENGINEERING

– NATIONAL AUTOMOMOUS UNIVERSITY OF MEXICO (UNAM)

- MEXICO CITY, MEXICO

LANGUAGES

Spanish - Native

English – C1

French – A2/B1

ADDITIONAL
EXPERIENCE

- Participant in the Quianmen International Intangible Cultural Heritage Forum Beijing, China 2015
- Participant in the Mobile Learning Week: Education In Emergencies And Crisis Paris, France 2017
- Participant in the International Youth Forum: Creativity and Heritage Along The Silk Road 16-19 April 2017, Changsha, China and April 20-22, Quanzhou, China
- Math teacher at the National School of Mathematics 2014-2017