



## Alfredo García Vega

Master of engineering,  
Regio-mountain visionary citizen,  
& Mexican revolutionary

### About me

I believe being focused and having discipline is the way to achieve that what you want. I consider myself a perseverant and resilient person who promotes urban cycling as a mean of transportation. I want to help my community by contributing with my knowledge and experience on topics related to Sustainable Urban Mobility. I love cycling, swimming, and reading; actually, I'm a member of a book club called Book Fight. Besides, *Don Quixote de la Mancha* and *The Iliad* are the largest books I have ever read.

### Volunteering experience

I did five volunteer works in the United Kingdom within six months. I had the opportunity of having an enriching cultural exchange with British. Throughout that time, I met people from all around the world. I learned new abilities such as cooking, waitering, gardening, planting, harvesting, painting, praying to Krishna... and the most important one, how to live alone and short of cash in other country far from home.

### Basic information

**Date of birth:** 9<sup>th</sup> May 1991    **Sex:** Male  
**Nationality:** Mexican  
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[www.instagram.com/alfredogv](https://www.instagram.com/alfredogv)

### Softwares I have experience with

|                  |                  |
|------------------|------------------|
| AutoCAD          | ETABS            |
| Synchro          | WinPas           |
| Navisworks       | Staad Pro        |
| MS Project       | UnWedge          |
| Tekla Structures | Google Earth Pro |
| MS Teams         | Social Media     |

## Education and Training

### Master's degree in engineering with a minor in Transit and Roadway engineering

Autonomous University of Nuevo León (UANL) (Aug '16 – Jun '19)  
[www.uanl.mx/en](http://www.uanl.mx/en)

### Bachelor of Science as Civil Engineer

Autonomous University of Nuevo León (UANL) (Aug '08 – Jun '13)  
[fic.uanl.mx](http://fic.uanl.mx)

### Academic English in Malta

London School of Commerce (LSC) (Oct '22 – Apr '23)  
[www.lscmalta.edu.mt](http://www.lscmalta.edu.mt)

### Management Skills Development Diploma Course

Armstrong Instructors (206 hours) (Jul '21 – Sep '24)  
[www.aisc.com.mx](http://www.aisc.com.mx)

### Academic Italian

Dante Alighieri Monterrey (Jan '20 – Jun '22)  
[www.dantealighierimty.com](http://www.dantealighierimty.com)

### Academic English

IQ English (Aug '21 – Dec '22)  
[iqenglishmty.com](http://iqenglishmty.com)

## Work Experience

### Integration Engineering and Construction Systems (IECOS)

Engineering Manager (Jan '24 – Currently)

I manage civil engineering projects for the industrial sector, some of our clients are Nemak, Cemex, and Heineken México. Our team usually visit the factory, use a FARO Focus laser scanner device and then generate Building Information Modeling (BIM). I work frequently with civil, electrical, mechanical, chemical and mechatronics engineers.

[www.iecos.com](http://www.iecos.com)

### Apodaca municipality government

Non-motorized means of transportation and Micromobility manager (Mar '22 – Aug '22)

I worked for the Ministry of Urban Development, Municipal public works, Ecology and Transit, where I helped in the planning of the first Apodaca's Transfer Center of Public Transportation. I supervised the correct implementation of the Cyclist profile methodology for Apodaca's cyclists; in one step, we needed to design and conduct a poll to know their opinion, subsequently, we could detect the streets cyclists used to commute. Among other important Urban Mobility projects for the benefit of the citizens of the municipality.

[apodaca.gob.mx](http://apodaca.gob.mx)

### Nuevo León (NL) state government

Operating engineer (Mar '18 – Mar '22)

I operated, controlled and supervised the Gertrude Software, used for synchronizing traffic signals incorporated into The Comprehensive Metropolitan Traffic System (SINTRAM its acronym in Spanish) for the Monterrey Metropolitan Area (MMA), whose main objective is to generate green waves in road corridors and avenues. I gave support to municipalities and *Ecovía* (Bus Rapid Transit system in the MMA).

[www.nl.gob.mx/](http://www.nl.gob.mx/)

### University of the Valley of México (UVM)

Civil engineering teacher (May '18 – May '21)

I taught the subjects: Soil Mechanics, Hydraulic Concrete Technology, Soil Behaviors, Geotechnics, Hydrology, and Differential Equations to undergraduate civil engineering students either physically or virtually.

[uvm.mx/](http://uvm.mx/)

## (A bit) More about me

When I was a student at the UANL, I was part of the civil engineering swimming team. Since 2020, I decided to really take care of my health, for that reason, I started to swim again and run or ride my bicycle in the city. Currently, I work out three times per week and I'm taking Salsa, Bachata, and Cumbia lessons because I love to dance and I want to become a pro in that, too.

**Driving licence:** yes, two. For both, cars and motorcycles.

I have a blog whose aim is to describe the *regiomontana* mobility culture, to non-Hispanic people who live or visit NL.

[www.alfredogvega.xyz](http://www.alfredogvega.xyz)

I participate actively in the Rosary Parish (*Parroquia del Rosario*), a catholic church nearby home, in being part of *Queen chorus*, one of the oldest choirs of the Parish. Moreover, I am a mass proclaimer as well.

[www.facebook.com/parroquiadelrosariodemonterrey/](https://www.facebook.com/parroquiadelrosariodemonterrey/)

## Citizen projects I have contributed in

Healing the pavements (2020 – 2021)

(*Re-sanando las banquetas*)

More information:

[wiki.labnuevoleon.mx/](http://wiki.labnuevoleon.mx/)

Watch a video of this project:

[www.youtube.com/](http://www.youtube.com/)

Citizen evaluation of MUPIs (2021)

(*Evaluación ciudadana de MUPIs*)

More information:

[wiki.labnuevoleon.mx/](http://wiki.labnuevoleon.mx/)

[www.facebook.com/](https://www.facebook.com/)

GeoStats (2020 – 2021)

More information:

[www.geostatsmtv.com/](http://www.geostatsmtv.com/)

[wiki.labnuevoleon.mx/](http://wiki.labnuevoleon.mx/)

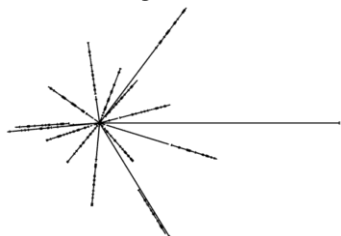


[Master's final work](#)



[Passenger trains for the MMA](#)

“Per aspera ad astra” ★



## San Pedro Garza García municipality government

Head of subdivision (Jul '15 – Apr '17)

I worked for the Ministry of Urban Planning and Development, where I prepared technical reports for different types of construction permits, such as: land use, demolitions, and some types of small constructions. In addition, I executed field inspections.

[sanpedro.gob.mx/desarrollo-urbano](http://sanpedro.gob.mx/desarrollo-urbano)

## Moyeda Constructions

Construction supervisor Jr (Mar '14 – Apr '15)

I supervised, quantified materials, and made construction advance reports with photographs, to illustrate work progress for *The Connection Bridge between Morones Prieto Expressway and Miguel de la Madrid Boulevard project*. This bridge is part of the motorway which connects the west of the MMA to Monterrey International Airport.

[www.moyeda.com.mx](http://www.moyeda.com.mx) // the location of the bridge  [maps.app.goo.gl/](https://maps.app.goo.gl/)

## Language Skills

Mother tongue:  **Spanish**

Other languages:

|                        |  <b>English</b> |  <b>Italian</b> |
|------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Listening              | C1                                                                                                 | B2                                                                                                 |
| Reading                | C1                                                                                                 | B2                                                                                                 |
| Writing                | B2                                                                                                 | B1                                                                                                 |
| Speaking               | B2                                                                                                 | B1                                                                                                 |
| Overall Band Score     | B2                                                                                                 | B1                                                                                                 |
| CEFR Level             | <b>B2</b>                                                                                          | <b>B1</b>                                                                                          |
| Language certification | ★ Academic English IELTS                                                                           |                                                                                                    |

## Conferences and seminars

### 11<sup>th</sup> National Congress of Urban Cycling

Northeast Museum, Monterrey, México (Nov '19)

I gave a speech where I spoke about the feasibility study of my final work. Showing the audience, foreign students would like to use their bikes for commuting to University City Campus (UANL).

Watch the video: [www.youtube.com/](http://www.youtube.com/)

### 21<sup>st</sup> Latin American Congress of Public and Urban Transportation (CLATPU its acronym in Spanish)

Monterrey, México (Jul '21)

I spoke about my master's degree thesis which is titled: *The Bicycle as an Essential Part for the Sustainable Mobility of Foreigner Students at UANL*.

## Social and Political activities

### Mobility and Accessibility Institute of Nuevo León state

Member of the council of Mobility and Accessibility (Jan '21 –

Currently)

I was designated by the Honorable Congress of the state of Nuevo León as a citizen member of the council of Mobility and Accessibility of NL from the Mobility and Accessibility Institute of NL, to give my opinion in meetings in relation to the mobility in the MMA. I take part in the following commissions: Education and Road Culture; Road traffic safety; Non-motorized mobility; Electromobility and Clean energy, and Public space.

Facebook page: [www.facebook.com/movilidadnl](https://www.facebook.com/movilidadnl) // For watching my last participation in a meeting of the council: [www.facebook.com/](https://www.facebook.com/) at 0:32:48.

Thank you for reading my résumé! / Grazie per aver letto il mio curriculum vitae! / ¡Gracias por haber leído mi hoja de vida!