

Electromobility Engineer

Bernardo Alejandro Urriza Arellano

Portfolio | [bernardourriza.github.io](https://github.com/bernardourriza)

Mail | bernardourriza@gmail.com

Phone | (55) 3019 5874

In | www.linkedin.com/in/bernardo-urriza

Profile and Objective

Engineer and businessman with the determined goal of positively impacting the human society through technology.

Education

2021 | Telecommunications and Electronic Systems Engineering

Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM).

Excellence Honors graduate.

Highest engineering grade (98/100).

Awarded with Premio Nacional CENEVAL.

Ten Academic Excellence awards.

660-hour service at marginalized communities.

Collaboration at University of Illinois (bionics).

Languages

First language | **Spanish**.

Foreign language | **Advanced English**.

2017 | BULATS | C1.

2016 | Cambridge Advanced English | C1.

2016 | TOEFL | 600.

Distinct Abilities

Soft | Empathy, media and public relations, leadership, commitment, initiative, availability to help. Motivation and vision for a more intuitive and enjoyable future.

Hard | Self learning, effort, work under pressure, consistency, realism and precision. Strong determination.

Experience

2022 | Tecnológico de Monterrey University (ITESM) Professor

Imparted *Automatic Control* and *Industrial Electronics* laboratories for senior year undergraduates.

2021 - Present | ANSSATZ Founder

Launched a company that develops and sells electromobility solutions. I made two fully functional prototype electric cars. Granted a trademark and a patent.

2020 - Present | Gliz Vosley Co-founder

Achieved the operational stability of a luxury jewelry business and trademark focused on the artisan work of Mexican locals, now successfully operating online.

2022 | Virtual Wave Control S.A. New Technologies Developer

Modernized a water monitoring device in a month-long project that yielded significant consumption savings.

2018 - 2020 | NATMA Co-founder

Researched innovative machine learning methods for electric vehicles, which produced multiple functional prototypes, collaborations and published papers.

Extracurricular

2021 | Intelligent Robotics: Collaborated at two microsystems, biodesign and product innovation research centers for the creation of robots and AI that transformed education at my university (ITESM).

2016 - 2021 | Six scientific papers: Published machine learning, domotics and education writings internationally along with *La Última Contingencia* at Apple Books.

2020 | INC Monterrey startup festival: Developed and presented an autonomous lift truck for the optimization of warehouses. Additionally, produced *Laboratorio de Escena en Red*, an interactive long-distance improv play.

2016 - 2019 | Five student groups: Actively coordinated teams including *MindKind* (advancing bionics) and *Nautilus 4010* (winning *FIRST Robotics* competitions).

Software

Programing in C++, Assembly, Java, MATLAB, C, Python, Spice, C# and VHDL. AVR and STM arm microcontrollers.

Advanced use of computers and mobile devices. 3D Modeling, animation and printing. Photography and video. Integration of electronics, networks (Cisco) and IoT.