



# Gerardo A. Mijares Gallegos

## Education

2015–2022 **Student**, *Instituto Tecnológico y de Estudios Superiores de Monterrey*, Campus Monterrey.  
6th semester student of Physics Engineering (IFI11) at ITESM

## Experience

2017–2018 **Academic Research Experience**, *Centro de Investigación y Desarrollo Estratégico de Productos*, Monterrey.  
Currently developing a web application to create gcode paths for 3D printing scaffolds for tissue engineering applications embedded with fiber (nano/micro) through electrospinning.

Achievements:

- Time reduction for electrospinning tests on the labs 3D printer

2016–2017 **Treasury Coordinator**, *Nucleum Congress 2017*, Monterrey.

Responsible for money management and data processing at Nucleum, student-run congress of chemical sciences and biotechnology at Tecnológico de Monterrey.

Achievements:

- Management of \$220,000 MXN in income and expenses.
- Total utility of \$13,000 MXN.

## Languages

Spanish **Mother Tongue**

English **85%** *20 years of english studies / 83 on Cambridge professional ubication exam*

Italian **80%** *1 exchange year near Torino, Italy*

French **55%** *2 years of french studies*

## Programming / Computer skills

Basic ASP.NET MVC, EntityFramework, Ubuntu Server, MySQL, Python, pyplot, tensorflow  
Intermediate Matlab, Excel Macros, Angular 5, L<sup>A</sup>T<sub>E</sub>X, PHP, Wordpress, SQL Server, UT (Mocha/Chai), Mathematica  
Advanced OOP, HTML/CSS/Javascript, Bootstrap, jQuery, Node.js, MongoDB, Mongoose, Linux, MySQL

## Interests

Technology Open-Source, Web Dev, Data Science, Data Visualization  
Science and engineering Scientific Divulgation, Software Development, Applied Math, Electric Cars

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