



# Eric Perusquia

Mechatronics engineer / Project manager

Mechatronics engineer and electronics designer with experience in project management for innovation, automation and IoT applications; knowledgeable in the fields of RFID, 4G network, telemetry, among others. **Self-learning, challenge oriented, determined** to successfully integrate projects in multidisciplinary areas, and with a vision for innovation as a mean to build a better future.

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in  
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## SKILLS

- C++
- PCB Design
- RFID
- IoT
- FEA
- Teamwork
- Solidworks
- Project Management

## LANGUAGES

- English: ● ● ● ● ●
- Spanish: ● ● ● ● ●
- German: ● ● ● ○ ○

## INTERESTS

- Robotics
- 3D Printing
- Domotics
- Virtual Reality

## WORK EXPERIENCE

### Project Engineer AMIG Robotics

04/2018 - Present

Projects:

- Lead project engineer in an RFID solution system for an international bakery company, aimed at asset tracking inside warehouse facilities; managing and coordinating a team for firmware development, PCB and electronic design, web platform, as well as in-factory installation and testing.
- IoT solution project management and redesign for vehicle telemetry and monitoring. Including temperature sensing, as well as power path management (battery), memory and 4G/GPS capabilities.
- Project architect and electronics designer for a vending machine prototype with high potential impact, including telemetry, actuators integration, graphical user interface design and payment system.
- Solution design and PM for a public transport counting device, based on computer vision and face recognition, including GPS tracking and sensor monitoring aimed to improve public security.

### Program Coordinator for 'Projects for Innovation Impulse' Centro de Innovación Tecnológica Anáhuac

06/2014 - 10/2017

Tasks

- Project management for the "Projects for Innovation Impulse" call by the Mexican Science and Technology Council (CONACYT).
- Materials selection for a hunting camera and an orthosis (exoskeleton for therapy), elaborated a full report and materials analysis for an external company, by collaborating with a professor leader in such field.
- Materials selection and engineering for a crane, elaborated a full report and materials analysis for an external company, by collaborating with a professor leader in such field.

## CERTIFICATIONS

TOEFL IBT - 115 (04/2021)

Obtained grade above the requirements from universities such as the Massachusetts Institute of Technology, Yale or Stanford.

## EDUCATION

### Mechatronics Engineering Universidad Anáhuac Mexico Norte

01/2012 - 06/2016

Projects

- SpaceX Hyperloop Pod Competition:** Exhibitor/speaker in the competition held by SpaceX to design a better public transport system, taking place in Texas A&M University with over 70 universities from all around the world.
- Design of autonomous hydroponic Greenhouse:** It included an irrigation system, humidifier, temperature and lighting control, programmed in NI LabView. Winner of the Engineering Week Project Competition.

## ACHIEVEMENTS

Academic Excellence Award (08/2015)

Award received by achieving the highest grade of the class for that period.