

# Israel López Cruz

Front-end Developer. Robotics Engineer.

Creative, results-oriented, purposeful, and talented Engineer with strong technical background. Committed to finding efficient solutions to engineering problems. Offering experience in Front-end Development, Robotics Engineering and Software. Seeking to pursue my passion for Web Development.

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📍 Mexico City

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## WORK EXPERIENCE

### Robotics Engineer Procter & Gamble

06/2020 - Present

Mexico City

- Currently working as Line Manager for a Packing Line at P&G Vallejo Plant.
- Responsible for the Robotic technology, vision algorithms, and software optimization.
- Management of 30 employees (including payroll, performance management, improving KPIs)
- Certified in Loss Elimination methodologies, Troubleshooting, and Team Leadership.

### Software Engineer ADCOS de Mexico

01/2019 - 06/2020

Mexico City

- Enhanced a customized Software solution, saving up to 40 hours of work.
- Led a team of 8 people, to comply with deadlines and coding standards. (Project Management)

### Firmware Engineering Intern Honeywell

05/2017 - 04/2018

Mexico City

- Tested and debugged software code for Embedded Systems.

## SKILLS

#### Web and Coding Skills

- Experience with ReactJS, HTML5, CSS3, Javascript, NodeJS. Comfortable in learning new coding languages and frameworks.
- Basic knowledge of Express Apps, and Relational/Non-Relational Databases (SQL, MongoDB).
- Solid understanding in Object Oriented Programming. Basic Python and C language.

#### Interpersonal skills

- Communication skills such as speaking to technical and business audience, in both English (advanced) and Spanish (native) language.
- Passion for Teaching.

## EDUCATION

### B.S. Digital Systems and Robotics Engineer Instituto Tecnológico y de Estudios Superiores Monterrey (ITESM CEM)

08/2014 - 12/2018

Overall GPA: 97.3 / 100

- Web Development: HTML, CSS, Javascript, NodeJS
- Object Oriented Programming
- Microcontrollers
- Applied Robotics

## LANGUAGES

Native Spanish



Advanced English



Basic French



## FEATURED PROJECTS

#### My Personal Portfolio (06/2021 - 08/2021)

My own personal website implemented through React, HTML, CSS and Javascript. Used to demonstrate my abilities as a Front-end Developer

#### Mosaic Mexico Website (08/2021 - Present)

Member of the design and Web Development team for Mosaic Mexico: <https://mosaicmexico.com/>

#### Plaza Aves Website (05/2021 - 06/2021)

Website (still under development) for Plaza Aves. Implemented through React, HTML, CSS and Javascript.

#### Self-driving Car Development (06/2019 - 11/2018)

Autonomous remote control car capable of self-driving following a car lane avoiding obstacles. Designed and implemented electronic circuits, Computer Vision algorithms, sensors, and real time monitoring using Robot Operating System (OpenCV libraries, LIDAR sensor, Embedded Linux).

## CERTIFICATES

#### The Web Developer Bootcamp (2021) (02/2021 - Present)

In process. Issued by Udemy.

#### Loss Elimination Cycle and Troubleshooting (IWS) (07/2020)

Issued by: P&G as member of LE Pilar (IWS)

## AWARDS AND ACHIEVEMENTS

#### "Best Graduate" ANFEI Award (2019)

Issued by the Mexican National Association of Engineering Faculties

#### "Excellent Grade Point Average (97.3)" Award (2011 - 2018)

Awarded consecutively in all University Semesters and all High School Semesters

#### "Borrego de Oro" Award (2018)

Represents the highest honor at Art and Culture School at Tecnológico de Monterrey, as part of outstanding performance in extracurricular activities

#### "Student Leadership" Award (2018)

Awarded for outstanding performance in official teams at Tecnológico de Monterrey

#### Scholarship Award to study in Oxford, U.K. (2013)

Awarded to study a High School semester at Abacus College

## OTHER ACTIVITIES AND HOBBIES

Professional Musician: drummer and percussionist

Math tutoring and Coding teacher

Soccer player