

Sergio Israel López Cruz

Frontend 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 Electronics Testing and Process Engineering, but seeking to change careers to pursue my passion for Web Development and Frontend.

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📍 Mexico City, Mexico

🌐 isralopez.com

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WORK EXPERIENCE

Production Line Manager Procter & Gamble

03/2021 - Present

Mexico City

- Currently working as Line Manager for a Packing Line at P&G Vallejo Plant.
- Management of 30 employees (including payroll, performance management, improving KPIs)

Process Engineer Procter & Gamble

06/2020 - 03/2021

Mexico City

- Responsible for the Robotic technology and vision algorithms.
- Certified in Loss Elimination methodologies, Troubleshooting, and Team Leadership.

Software and Testing 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 (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 out of 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 - 07/2021)

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

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

Real 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 Udeemy.

Loss Elimination Cycle (IWS) (07/2020)

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

SAP Certified Development Associate - ABAP with SAP NetWeaver 7.50 (04/2018)

Issued by: SAP SE

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