Eduardo Venegas
Computer Science Student

✉ lalohdez77@gmail.com 🌐 lalovene.netlify.app
📍 Jalisco, Mexico in eduardo venegas
⊙ LaloVene

EDUCATION

Bachelor in Computer Science Engineer Tecnológico de Monterrey GDL *08.2019 – 06.2023 Zapopan, Jalisco*
- **60% Tuition** scholarship due to academic merit. Won first place in the Campus Engineering Expo.
- Member of the Algorithm Club school group. GPA: **96.54** (Achieved one of the best GPA 4 times)

React Bootcamp Wizeline *07.2021 – 09.2021 Remote*
- Learned Core Concepts, Styling, Patterns, Routing, Testing and TDD.
- Created a YouTube clone app using the **YouTube v3 API**, **React Hooks** for managing state and **Jest**.

Technologist in Automatic Control and Instrumentation CETI Colomos *08.2015 – 06.2019 Guadalajara, Jalisco*
- **Thesis Project:** Built an Autonomous Tennis Machine from scratch using **motors**, **electronics** and **Arduino**.

SKILLS

Languages JavaScript TypeScript Python R C++ C MATLAB SQL

Lib/Frameworks Angular React React Native Ionic Flask Node Jest TensorFlow Arduino

Tools Docker Monitoring CI/CD Git Linux

WORK EXPERIENCE

AI Developer and Service Support Xira *01.2022 – Present Remote*
- **Develop** applications according to business needs and follow the **support** of such applications.
- **Maintain** several servers and **monitor** different services in order to keep **downtimes** to a minimum.

Production Engineer Fellow Major League Hacking & Meta *06.2021 – 09.2021 Remote*
- One of the 120 selected students from a total of 20,000. Automated a **CI/CD** workflow using **GitHub Actions** to deploy changes to a production server. Monitored the app using **cAdvisor**, **Prometheus** and **Grafana**.
- Served it in a **Docker** container, guaranteeing **99.99%** uptime on a **AWS EC2** instance.

Data Engineer Jiit Technologies *03.2021 – 06.2021 Remote*
- Used mathematical and statistical technics over data to get the most important **features**. Designed models that generate **predictions** as well as valuable insights. Created a ML sales analysis pipeline API using **Flask**, **NumPy**, **SciPy** and **Prophet**.

Full Stack Developer Jiit Technologies *10.2020 – 06.2021 Remote*
- Developed from scratch an **ERP** platform to organize inventory, human resources, shipments, income and expenses.
- Added features to a **COVID tracking** platform and a **Marketplace**. Used **Ionic Angular**, **Typescript**, **Cordova**, **SQL** and **Flask**.

PROJECTS

See Your World Ionic Angular Docker TensorFlow CNN & RNN
- Won **2nd** place in **HackMTY**. App that lets people with limited vision see by using an **Image Captioning** DL model, Ionic **Angular**, a translation API and a **Text2Speech** library. Works in **11 languages**.
- Model built in **TensorFlow** with a **CNN**-**RNN** architecture and hosted it using **Flask** and **Docker** in a **Google Cloud VM**.

DevUp CI/CD Docker React AWS Monitoring
- **Won** MLH Production Engineering Hackathon. Platform to help developers find teammates for side projects.
- Used **Ionic React**, **Docker**, **AWS EC2**, **NGINX**, **Flask**, **PostgreSQL**, **CI/CD, cAdvisor**, **Grafana** and **Prometheus**.

Room System Angular Firebase IoT Deep Learning
- Won **1rst** place in the **Campus Engineering Expo**. Developed an app to control a room's light, fan, doors and windows.
- Used **Angular**, **Firebase**, a **NodeMCU** board and a **Keras** model to predict the rain.

CERTIFICATIONS

- Mathematics for Data Science Specialization *Higher School of Economics - 2021*
- Data Science Professional Certificate *HarvardX - 2020*
- Python Data Science Professional Certificate *IBMX - 2020*
- Deep Learning Professional Certificate *IBMX - 2020*
- Google IT Support Specialization *Coursera - 2020*

LANGUAGES

Spanish Native ● ● ● ● ●
English Fluent ● ● ● ● ●
German B1 ● ● ● ● ○
(*learning B2*)