

# Eduardo Venegas

Computer Science Student

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## 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.
- GPA: **97.27** (Achieved one of the best GPA 3 times)
- Member of the Algorithm Club school group.

### React Bootcamp

Wizeline 07/2021 – 09/2021 Remote

- Learned about Core Concepts, Styling, Patterns, Routing, Testing and TDD.
- Created a YouTube clone app using the **YouTube v3 API** and **React Hooks** for managing state.
- Developed app using a **TDD** approach with **Jest**.

### Technologist High School in Automatic Control and Instrumentation

CETI Colomos 08/2016 – 06/2019 Guadalajara, Jalisco

- Thesis Project: Autonomous Tennis Machine.

## WORK EXPERIENCE

### Production Engineer Fellow

Major League Hacking & Facebook 06/2021 – 09/2021 Remote

- One of the 120 selected people from the total of 20,000.
- Automated a **CI/CD** workflow using **GitHub Actions** to deploy a production server.
- Served on a Docker container, guaranteeing **99.99%** uptime on a **AWS EC2** instance.
- Monitored the app using **cAdvisor**, **Prometheus** and **Grafana**.

### Data Engineer

Jiit Technologies 03/2021 – 06/2021 Remote

- Used mathematical and statistical technics over data to get the most important **features** and create ML models that generate **predictions** as well as valuable insights.
- Created ML analysis pipeline endpoints using **Flask**.

### Full Stack Developer

Jiit Technologies 10/2020 – 06/2021 Remote

- Developed a platform for **COVID tracking**, a **Marketplace** site and an **ERP** platform that can organize inventory, human resources, shipments, income and expenses.
- Used **Ionic Angular**, **Typescript**, **Cordova**, **SQL** and **Flask**.

## CERTIFICATIONS

30 Days of ML by Kaggle

Kaggle - 2021

Mathematics for Data Science Specialization

Higher School of Economics - 2021 (4 courses)

Data Science Professional Certificate

HarvardX - 2020 (9 courses)

Python Data Science Professional Certificate

IBMx - 2020 (5 courses)

Deep Learning Professional Certificate

IBMx - 2020 (6 courses)

Google IT Support Specialization

Coursera - 2020 (5 courses)

## SKILLS

### Languages

Javascript Typescript Python R C++ C MATLAB

### Lib/Frameworks

Angular React Ionic Flask Node Jest TensorFlow

### Tools

Docker Monitoring CI/CD Git

### Other

SQL MongoDB Linux Arduino

## PROJECTS

### DevUp

CI/CD Docker React AWS Monitoring

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

### See Your World

Ionic Angular Docker TensorFlow CNN & RNN

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

### Room System

Angular Firebase IoT Deep Learning

- Won **1st** place in the **Campus Engineering Expo**.
- App built in **Angular** to control a room's light, fan, doors and windows using **Firebase** and a **NodeMCU** board.
- Get the current weather with an API and use it to predict if it is going to rain using a **Deep Learning Keras** model.

## LANGUAGES

Spanish Native

● ● ● ● ●

English Fluent

● ● ● ● ●

German B1

(learning B2)

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## VOLUNTEERING

### Volunteer member at Axilli

2017 — Present

Jalisco, México

Planned, managed and involved in several cultural activities with children from different communities in Mexico.

### Intercooltour 2018 exchange in Germany

Summer 2018

Baden-Württemberg, Germany

Involved with people around the world in association with the NPO Jugendwerk. Worked in several summer camps for kids.