

## 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: **95.98** (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 08.2016 – 06.2019 Guadalajara, Jalisco

- Thesis Project: Autonomous Tennis Machine.

## SKILLS

### Languages

JavaScript TypeScript Python R C++ C MATLAB SQL

### Lib/Frameworks

Angular React Ionic Flask Node Jest TensorFlow Arduino

### Tools

Docker Monitoring CI/CD Git Linux

## WORK EXPERIENCE

**Production Engineer Fellow** Major League Hacking & Facebook 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 a production server. Monitored the app using **cAdvisor**, **Prometheus** and **Grafana**.
- Served on 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** and create ML models that generate **predictions** as well as valuable insights.
- Created ML analysis pipeline endpoints using **Flask**, **SciPy** and **Prophet**.

**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**.

## PROJECTS

### 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**.

### See Your World

Ionic Angular Docker TensorFlow CNN & RNN

- Won **2nd** place in **HackMTY**. App that helps 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**.

### Room System

Angular Firebase IoT Deep Learning

- Won **1st** 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)