

EDUCATION

Bachelor in Computer Science Engineer

Tecnológico de Monterrey GDL08/2019 – 06/2023Zapopan, Jalisco

- **60% Tuition** scholarship due to academic merit.
- Won first place in the Campus Engineering Expo.
- GPA: **95.98** (Achieved one of the best GPA 4 times)
- Member of the Algorithm Club school group.

React Bootcamp

Wizeline07/2021 – 09/2021Remote

- Learned 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 in Automatic Control and Instrumentation

CETI Colomos08/2016 – 06/2019Guadalajara, Jalisco

- Thesis Project: Autonomous Tennis Machine.

WORK EXPERIENCE

Production Engineer Fellow

Major League Hacking & Facebook06/2021 – 09/2021Remote

- 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 Technologies03/2021 – 06/2021Remote

- 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 Technologies10/2020 – 06/2021Remote

- 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

JavascriptTypescriptPythonRC++CMATLAB

Lib/Frameworks

AngularReactIonicFlaskNodeJestTensorFlow

Tools

DockerMonitoringCI/CDGit

Other

SQLMongoDBLinuxArduino

PROJECTS

DevUp

CI/CD DockerReactAWSMonitoring

- **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 AngularDockerTensorFlow 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

AngularFirebaseIoTDeep 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

VOLUNTEERING

Volunteer member at Axilli

2017 — PresentJalisco, México

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

Intercooltour 2018 exchange in Germany

Summer 2018Baden-Württemberg, Germany

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