Eduardo Venegas
Computer Science Student

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EDUCATION

Computer Science Exchange Student Universität Ulm   *10.2022 – 07.2023*   *Ulm, Germany*
- Got **accepted** as an international student with a **full scholarship** provided by the DAAD.

Bachelor in Computer Science Engineer Tecnológico de Monterrey GDL   *08.2019 – 07.2023*   *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: **97.51** (Achieved one of the best GPA 4 times)

React Bootcamp Wizeline   *07.2021 – 09.2021*   *Remote*
- Created a **fully-functional YouTube app** and learned Core Concepts, Styling, Patterns, Routing and TDD using **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
`React` `React Native` `NextJS` `Angular` `Ionic` `Flask` `Node` `Jest` `TensorFlow`

Tools
`Linux` `Docker` `CI/CD` `Git` `Monitoring` `Arduino`

WORK EXPERIENCE

Site Reliability Engineer & Developer Xira   *01.2022 – 04.2021*   *Remote*
- **Maintained** several servers, **monitor** services and **improved** engineering processes.
- Developed a **platform** to manage the client's **APIs** with payments and a subscription system using **NextJS**, **Stripe** and **Docker**. Maintained a **text analytics** model to categorize messages for clients.

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/expenses.
- Created features to a **COVID tracking** platform and a **Marketplace** using **Ionic Angular**, **TS**, **SQL** and **Flask**.

PROJECTS

See Your World
`Ionic Angular` `Docker` `TensorFlow CNN & RNN`
- Won **2nd** place in **HackMTY**. Developed an 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**.
- Built the model with **TensorFlow**, a **CNN-RNN** architecture and hosted with **Flask, Docker** and **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 IoT home devices (lights, doors...).
- Used **Angular**, **Firebase**, a **NodeMCU** board and **Keras** to predict the climate.

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 C1 ● ● ● ● ○