MATIAS RICARDO MENDEZ SANDOVAL

ENGINEERING IN COMPUTATIONAL TECHNOLOGIES (STUDENT)

EDUCATION

Tecnológico de Monterrey - Engineering in Computational Technologies (2019-2023)

PROGRAMMING LANGUAGES

- C ++ - intermediate
- Python - intermediate
- MySQL - intermediate
- Angular - intermediate
- JavaScript - intermediate
- R - basic
- HTML & CSS - intermediate
- Swift- basic
- C # - intermediate

PROFILE

Passionate programmer willing to change the world through technology.

CONTACT

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LANGUAGES

- English (fluent) - TOEFL and Pearson certifications
- French (fluent) - C1 DELF certification

EXPERIENCE

- **Avión de los Sueños (N.G.O)** **Project Management in Web Development (2021)** Coordination of Front-End and Back-end areas, as well as coordinating communication with client. Development done in JavaScript, SQL and HTML.
- **STEAM (N.G.O)** **Web and Video Game Development (2021)** Construction of a video game capable of collecting metrics and displaying them on a website through an API. Developed in C#, JavaScript, MySQL and Unity.
- **ITESM Research** **Software Assistant (2020)** Prototype development of device to track symptoms of COVID 19. Assisted in implementation of MySQL database to register the device's biometrics data and user interface with Python.

PROJECTS

- **Map View App** for Covid-19 tracking web application to track Covid-19 by zones, contributing full-stack to HackQuarantine 2020 Hackathon (JS, HTML, CSS).
- Diagnosis of brain tumors with **Artificial Intelligence** Implementation of AI models, available on the server, to detect tumors in X-rays and trace their location, using Python's TensorFlow and Keras neural networks.
- **iOS Healthcare App** application to monitor the presence of respiratory or cardiac irregularities, for iWatch 5 made with Swift in Singapore's CodeForCorona Hackathon.

HONORS AND AWARDS

- **Santander Scholarship** - Massachussets Institute of Technology **(MIT)** Leading Digital Transformation (2020)
- **Academic Talent Award** - Tecnológico de Monterrey (2019)
- **Youth in Action Scholarship** - Embassy of the United States of America in Mexico (2018)