

BRANDON JOSUÉ MAGAÑA MENDOZA

Software Engineering Student

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EDUCATION

Tecnológico de Monterrey | Campus Guadalajara

August 2020 - May 2024 (Expected)

B.S. in Computational Technologies Engineering | GPA: 3.9

ACCOMPLISHMENTS

"Líder del Mañana" 7th generation

June 2020 - Present

- Selected to take part in "Líderes del Mañana" program at Tecnológico de Monterrey (Full Scholarship) that offers options so that the most **talented** mexican youth with limited financial resources can fulfill their university education.

First Place "Código Frida" mobile app prototyping

December 2019

- First place among interstate **mobile app prototyping** competition for solving social issues through **technology**.
- Developed a **mobile application** that allows the purchase, sale and donation of any type of article, promoting the circular economy inside the community and an environmental awareness

PROJECTS & EXPERIENCE

Major League Hacking | Prep Program (March 7th 2022 - March 25th 2022)

- 3 week program focused on contributing to open source.
- Worked on a 20 people team, where our pod developed a personal portfolio and a weather web app.

LockIt! Smart Door | Software Developer / Hardware

- Worked on an Internet of Things project that uses the **ESP8266** microcontroller and the **RaspberryPi** to allow managing and monitoring a front door in realtime. Additionally, it also allows **facial recognition** unlock.
- Developed a friendly user interface using **Create React App** to make a dashboard **website** that shows all the relevant door information and allows the **interaction** between the user and the door.

MyPass Password Administrator | Software Developer

- Coded a local Password Administrator using **Python Tkinter** and **Pandas** modules. It has a minimalist interface that allows **saving** and **retrieving** websites credentials from a .csv file saved in local storage.

Study FlashCards | Software Developer

- Developed a program that emulates studying vocabulary with flashcards, using **Tkinter** and **Pandas** modules, the user is shown an interface that mimics the use of flashcards while studying, also the user is allowed to discard the cards by checking them as learned, so those wont appear the next time the script is run.

SKILLS

• Programming Languages

Python, C++, JavaScript, MATLAB, R, Java

• Data bases

MySQL, Firebase Firestore

• Web Development

HTML5, CSS, JavaScript, ReactJs

• Languages

Spanish (Native), English (Fluent)