# Abraham Cepeda

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## EDUCATION

**Monterrey Institute of Higher Studies (ITESM)**

BS in Computer Science and Technology Engineering
December 2023 | Monterrey, NL, MX
GPA: 95 / 100

**Boston University**

Semester exchange CS courses
September 2022 – December 2022 | Boston, MA

## SKILLS

### PROGRAMMING

- **Proficient:** ReactJS · NodeJS · Next.js · C++ · Python · JavaScript · Swift · HTML · CSS · Git · Firebase · Figma
- **Intermediate:** C# · MATLAB · R · TypeScript · Flask · MySQL · React Native · MongoDB · AWS · PostgreSQL · Unity
- **Beginner:** PHP · VueJS · Java · Machine Learning · TensorFlow

### TECHNICAL

Web Development · App Development · Database Management · Videogame Development · Machine Learning

### SOFT SKILLS

Leadership · Communication · Problem Solving · Adaptability · Self-learning

### LANGUAGES

Spanish (Native) · English (Fluent) · German (Basic)

### Hobbies

Golf · Reading · Exercising

## PROFESSIONAL EXPERIENCE

### DFuture Web Development | Founder and web developer

June 2017 – Present | Monterrey, NL, MX

- Led the interaction with all the clients, which required several meetings to understand their needs (dfuture.com.mx).
- Led the development of numerous web applications using React or Next.js with either Firebase or MongoDB.
- Developed over eight complete projects, including e-commerce sites, blogs, landing pages, and web applications, using SCRUM for project management.

### ITESM | Software engineer on-campus job

August 2020 – February 2022 | Monterrey, NL, MX

- Built data analysis algorithms with R to generate comprehensive reports regarding Covid19 for the ITESM authorities.
- Led the development of a web application to visualize the results of the 2020 Mexico's elections using React, Mapbox, and AWS Buckets (www.mexicovid19.app/elecciones).
- Led the development of a progressive web application to visualize all Mexico's Covid19-related data in a dashboard using React and Firebase (www.mexicovid19.app/covid-19).
- Created an administrative site to upload data to a specific web application, reducing 90% of the time required.

## PROFESSIONAL AND SCHOOL PROJECTS

### Web Application for Clusterization

Spring 2022 | dfuture.com.mx/cemexfix

- Developed a web application dashboard for Cemex using Next.js, Flask, and MongoDB to use machine learning models such as BERT and LDA to cluster a data set.

### News Web Application

Spring and Summer 2021 | newsbi.digital

- Developed a progressive web app for NewsBi (telecommunications company) using React, Firebase, and AWS, which allows 500 users daily to read the latest news regarding the industry
- Personalizing the administrative page decreased the amount of time uploading the news by 30%.

### Gamification Web Application and Videogame

Spring and Summer 2021 | dfuture.com.mx/ternium

- Led the development of a gamification system that consisted of a web application using React and a videogame using Unity. We built an API in python to connect both systems with a MySQL database.

### HackMTY 2021

August 2021 |

- Participated in HackMTY in a team of 3, where we developed LSTM and Random Forest Machine Learning algorithms to predict Mexico's consumer price index using Python and libraries such as Pandas, NumPy, Scikit-learn, and TensorFlow.