

Mariana Martinez-Celis

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Education

- Instituto Tecnológico y de Estudios Superiores de Monterrey, Monterrey, Mexico
Computer Science (ITC) **Anticipated Grad Date: December 2022**
- Software Product Sprint by Google **2020**
- Cambridge University, Cambridge, United Kingdom - Computer Science Summer Program **2019**
- Brown University, Providence, United States - Computer Science Summer Program **2017**

Technical Skills:

- Programming Languages: Java (4 years), C++ (4 years), Swift (2 years), Objective C (2 year) and Python (3 years).

Work Experience:

- **Facebook Software Engineering Internship:** Worked on the Instagram Ads Format Experiences team developing features for the iOS platform using Objective C.
- **Facebook University Internship:** Developed a travel recommendations application for **iOS** using **objective C**. Stored data on a **Parse database**, uses camera functionality, integrates with **MapKit SDK** and **Foursquare API**.
- **Internship at Banorte:** Developed web applications focused on solving some of the main challenges for the bank industry in Mexico using **smart contracts**, **blockchain** for digital identity and transactions through cryptocurrencies. Accomplished to complete **Corda Blockchain Certification**.
- **Resis ChatBot:** Developed a **ChatBot** using **DialogFlow** for Residencias ITESM to help students living on campus dorms to answer their frequently asked questions.
- **DrApp:** Developed a command-line app in **Java** that helps doctors manage patient's information. Stored patient's data on **MySQL database**.
- Founder of "STEM GIRLS" summer camp with the mission of teaching girls about STEM through fun activities to encourage them to pursue a degree on this field.

Projects:

- **Treeler:** Developed a **web application** that uses **visual recognition** and a **machine learning algorithm** using **Microsoft Azure** to tell users the right place to plant a specific type of tree. Developed the frontend using **React** and **Node.js**.
- **Tweet Analysis** with SQL Queries: Developed a tool that analyzes Tweets using **Tweepy**, **Python**, **Twitter API** and **SQL Server** that analyzes tweets through complex SQL queries and transactions.
- **PeepReel:** Developed a solution to email phishing using the **URLScanner API**. Implemented the backend in **Java** and front end using **HTML** with **Bootstrap framework**.
- **Pacman Game:** Developed a pacman like video game in **Java** and **Java Fx**.
- **SafeTravels:** Developed a visual representation of The Traveling Salesman Problem in **Octave** to find the optimal route within different points.
- **Colorful Bricks:** Developed an iOS application in **Swift** that teaches young children the different colors.
- **PressAndCharge:** CoFounder of the startup of self-charging phone cases.

Student Leadership:

- Embajadores Tec (Student Ambassadors program at ITESM)
- Finance Director of HackMTY 2021 by ACM Monterrey
- Social Responsibility Director of the Student Federation at ITESM FETEC 2019
- President of WomenWhoCode@PrepaTecCSC, Devshop (Coding Club), and Hack Prepas (Hackathon)
- Member of the Board of Directors of Women In Science and Engineering Club at ITESM

Scholarships, Competitions and Awards:

- 1st Place in Banorte Challenge HackMTY 2020 and Residencias ITESM Hackathon 2019
- Participant of International Collegiate Programming Contest 2019 and Hack Monterrey 2018
- Academic Excellence Scholarship 2018 and Leadership Scholarship 2018 at ITESM
- Harvard Prize Book 2017