

Lizbeth Maribel Meléndez Delgado

lizbethmelendez@live.com

+52 (871) 132 3785

marmelendez.netlify.app/
github.com/marmelendez
linkedin.com/in/maribel-melendezd/

Education

Tecnológico de Monterrey Campus Guadalajara

August 2019 - December 2023 (expected)

BS in Computer Science and Technology

Grade: 98/100

Relevant courses: Object-Oriented Programming, Data Structures and Fundamental Algorithms, Software Development.

Work Experience

LinkedIn

San Francisco, California, USA

Android Engineer Intern

June – September 2022

- Facilitated feedback to users when an action is successfully performed by adding four messaging sounds with SoundPoolAPI.
- Improved the accessibility of conversation actions by adding a swipe gesture that gives access to 3 inbox shortcuts.
- Designed and wrote unit tests in Kotlin to ensure consistency and functionality of the inbox shortcuts feature.
- Achieved reusability of the actions methods by refactoring the code working with **Java** and **Kotlin**.
- Planned and executed the launch of inbox shortcuts to the company and estimated the timeline for 5% to 100% public.

BOSCH

Guadalajara, Jalisco, México

Test Engineer Intern

October 2021 – April 2022

- Optimized execution time by automating 35 test cases with **vTEST** tool.
- Executed over 50 test cases to verify that the product meets customer requirements using **CANoe**, **IBM Doors** and **RQM**.

Projects

Recipe Finder

June 2022 – present

Project for web development course

- Enhanced the website user interface by building a responsive landing page that displays a header, meals and categories sections with **HTML** and **CSS**. Defined the functions to fetch and render all categories from TheFreeMealAPI with **Javascript**.

Peripheral's Loan IBM

March – May 2022

React web site for device control at IBM

- Coordinated front-end development with **React** and followed IBM's Carbon Design System to optimize development time and create an internal tool that employees can use to keep track of peripheral devices requests and loans.

Traffic simulation

November – December 2021

A 2D and 3D traffic agent-based model with Python of a traffic simulation

- Modeled the traffic situation of two streets with AgentPy library in order to identify possible traffic causes.
- Simulated the data from 1 to 20 cars (from a JSON file) obtained from a **Python** script in a web interface using three.js.

Food bank of Guadalajara Application

August – October 2021

A Food bank of Guadalajara Android App

- Proposed an application design that the 77 food bank partners can use to view donation history and improve communication.
- Programmed login/sign in screens, menus and forms with **Kotlin**, implemented PayPal and **Firebase** authentication services to expand the organization's local scope by enabling user account creation, volunteer/contact application forms and donations.

Skills

Programming languages

3 years: C++

1 year: Kotlin

6 months: Python, Java, JavaScript

Technologies

HTML, CSS, React,

GitHub, Android, Unity,

Jira, MySQL, Node

Online courses

Web development with JavaScript (Bedu)

Mobile development with Android (Bedu)

Data Structures and Algorithms (University of San Diego)

Programs and groups

Microsoft Learn Student Ambassador Program

July 2021 - present

Part of this community to promote interest in areas of STEM through workshops and courses.

Beautiful Patterns MIT Program

January 2022

Teacher assistant in a Python course for middle and high school girls. The program seeks to help girls get started in technology.

Above and Beyond Computer Science Facebook Program

August 2021 – October 2021

Practiced data structures and algorithms in this coding interview workshop series.