

# Arturo Duran Castillo

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## EDUCATION

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**ITESM, GPA: 97.4**

*B.S in Computer Science and Technology*

- Scholarships: Academic Talent Scholarship

Monterrey, Nuevo León

*Expected Graduation: June 2025*

## EXPERIENCE

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**Web Developer Intern**

*Swirle*

June 2023 – Aug. 2023

*Monterrey, Nuevo León*

- Implemented new functionality and bug fixes to a web dashboard used by 35 affiliated businesses using React and Firebase to improve operational efficiency and customer satisfaction
- Contributed in the development of new functionalities for the mobile application, using React Native and Firebase I managed to impact more than 20,000 users

## PROJECTS

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**IOS app for deaf patients** | *SwiftUI, React, Node.js, Express.js, Prisma, Socket.IO*

Sep 2023 – Dec 2023

- Worked in collaboration with the organization Dilo en Señas to create an application that can help deaf patients cover their consultation process
- Real-time chat functionality using Apple Speech framework to transcribe the speaker's text and AVSpeechSynthesizer to process the deaf patient's text to speech
- Use of web socket for viewing and modifying chat messages in real time from a web application

**Virtual library for a children's home** | *Wordpress, HTML, CSS, JavaScript*

Aug 2022 – Dec 2022

- Design and development of the digital library used by about 200 children belonging to the "Casa Hogar Padre Severiano Martínez", a children's home and educational institution
- Keeping track of the availability of books, as well as their categorization

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

**Developer Tools:** Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, NumPy, Matplotlib