

Aldo Ponce

SOFTWARE ENGINEERING STUDENT

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Education

B.S. Computer Science and Technology

Mexico

TECNOLÓGICO DE MONTERREY

Aug. 2018 - Exp. Dec. 2022

- 92/100 GPA.
- **Relevant Coursework:** Data Structures, Operating Systems, Analysis and Design of Algorithms, Programming Languages, Advanced Database Systems, Big Data, Web Applications Development, Software Quality and Testing, Software Architecture.

Software Projects

iOS Mobile Application (Spotifind)

🎧 Spotifind

IOS APP THAT GIVES YOU SONGS RECOMMENDATIONS BASED ON YOUR PROFILE

6th Semester

- **Technologies used:** Xcode, CocoaPods.
- **Back-end:** Spotify API.
- **Front-end:** Swift, Objective-C.

Developed an application where one can use its Spotify account to get personalized recommendations and create playlists based on those recommendations by using the Spotify API. It has the ability to play a preview of the recommended song and includes integration with Apple Watch to show the song playing at the moment.

Gamer Store Webapp

🎧 Gamer Store Webapp

WEB APPLICATION USING MERN (MONGO, EXPRESS, REACT, NODEJS)

8th Semester

- **Technologies used:** VSCode, MongoDB, Stripe, Yarn.
- **Back-end:** NodeJS, Express.
- **Front-end:** Material UI, React.

Developed an e-commerce web application capable of making purchases using Stripe's API. There's also a admin dashboard where the admin could add, delete or modify products and users.

Compiler

🎧 Compiler

COMPILER USING ANTLR4 AND PYTHON

8th Semester

- **Technologies used:** VSCode, PyTest.
- **Back-end:** Python, ANTLR4.

Developed a compiler for the programming language "COOL" using ANTLR4 parsing capabilities and Python to interpret the instructions and create functional assembly code.

Work Experience

Finance Assistant Application

Remote

SOFTWARE ENGINEERING INTERN

Dec. 2020 - March. 2022

- **Technologies used:** Spring Tool Suite, VSCode, SQLTools, Maven, Tomcat, NPM.
- **Back-end:** Java 8, Node.js, Express.
- **Front-end:** ZK Framework, Keikai Spreadsheets, React, Java 8.
- **Database:** Oracle Database.

Finance tool that shows the information from a database as a report on an online spreadsheet depending on the parameters requested.

Skills & Awards

Programming Languages: Java, JavaScript, Python, Swift, SQL.

Languages: Spanish (Native Speaker), English (C1), German (A2)

Frameworks: React, Express, ZK Framework, Flutter.

Tools & Platforms: Node.js, Firebase, MongoDB.

First Place, Trust dimension's Challenge at HackMTY

2020 Document and identify the vulnerabilities of a webpage through pentesting and try to gaining access to it. Monterrey, MX

Second Place, GE Healthcare's Challenge at HackMx

2019 Easy monitoring and administration of an incubator by using word abbreviations and easy-to-navigate UI. Mexico, MX