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FERNANDO MACEDA

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EDUCATION

Mexico City, MX	**National Autonomous University of Mexico**	**Aug 2018 – June 2023**

Bachelor of Engineering in Computer Engineering.

WORK EXPERIENCE

Intern	**Rotoplas**	**Sept 2021 – Present**

- Created from a **machine learning model** to predict machine failures and be able to perform early maintenance on them using the **R** programming language.
- Migrated from Qlik sense maintenance department dashboard to **Sisense** and **Snowflake**.
- Analyzed and coded data sets for machine learning model using **Python** and **R**.
- Created of catalogs and data dictionary for **data governance**.

EXTRA CURRICULAR

Intern	**PROTECO**	**Aug 2019 – Present**

- **Instructor**. Give inter-monthly courses of different technologies and programming languages such as **Java**, **C++**, **C**, **Python**, **Android**, **Linux** etc.
- **Tech Lead**. Lead a team of four people for the **development of a mobile application** which aims to help students and give important news about PROTECO.

PROJECTS

Alexia Visual Novel Engine. Android application to create and view visual novels with more than 500 downloads in the play store. Developed with **Java** and Android Studio, it makes use of storage and different components such as flash and speakers.

App PROTECO. Android application for PROTECO which serves to keep the public informed of new events and give them material about information technology. Developed with **Kotlin** and Android Studio in addition to making use of **Google Cloud Platform** for the YouTube and maps service and the use of **Firebase** to send push notifications to users.

CERTIFICATES & COURSES

Algorithmic Toolbox. Coursera (Aug 2020) Credential.
Introduction to Data Science: Statistical Programming with R. Coursera (Jul 2020) Credential.
Introduction to Data Science in Python. Coursera (Feb 2021) Credential.

SKILLS

- C, C++, Java, Python, R, Swift, Kotlin, SQL, Excel, GIT, GNU/Linux, XCode, Android Studio
- Data Structures, Algorithms, Agile Methodology

LENGUAGES

Spanish – Mother tongue
English – Advanced Intermediate