

# JOSÉ ANTONIO BOBADILLA GARCÍA

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## EDUCATION

- 2019 • **Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM)**
  - B.S. IN COMPUTER SCIENCE AND ENGINEERING
  - **GPA:** 3.7/4.0
  - Founder and president of a university student group of programming called **TecBytes**
  - Recognition for obtained **outstanding** academic performance in 2 semesters of university.
  - **Related coursework:** Data structures & algorithms, Analysis and design of advanced algorithms, Web development, Neural Networks, Machine Learning, Deep Learning, Natural Language Processing, Statistics and Differential Equation Analysis.
- June 2023

## PROGRAMMING LANGUAGES

**Proficient:** C++ • PHP • PYTHON • JAVASCRIPT

**Worked with:** MATLAB • R • ELIXIR • C#

**Tools:** BOOTSTRAP • MYSQL • GIT • SQL

HTML • CSS • FIGMA • REST-APIs • UNITY

REACT JS • Keras • NEXT JS • Pytorch • Scikit-learn

## WORK EXPERIENCE

- 2022 • **Parkimovil Python Programmer** Intern / Python Programmer
  - Development of fines visualization module for the mobile application of Parkimovil using Python.
  - Use of a web scrapper with computer vision and a deep neural network to retrieve the fines given a card license plate.
- 2020 • **Elephant Web Design** Co-Founder / Full Stack Developer
  - Co-founder of a web development business that makes projects like simple page applications, websites, personal portfolios and e-commerce systems.
  - Use of technologies like HTML, CSS, JS, AJAX, JQuery, PHP, SQL and APIs handling.
  - This business helped more than 20 business to achieve its unique goals.

## PROJECTS

- 2022 • **PROFILING AND CLASSIFICATION SYSTEM | Naatik A.I. Solutions**
  - Web system that allows companies to upload a csv with customer information and classify which of them will abandon the service, as well as a profiling of that costumers using machine learning and neural networks.
  - Develop of the classification model in Python using Scikit-learn library and applying metrics like K-folds validation and confusion matrix.
  - Develop of web platform in Next JS and Flask for the backend.
  - I was in charge of the development of the classification model and the frontend page.
- 2022 • **TUTORING PLATFORM FOR UNIVERSITY STUDENTS | Tecnológico de Monterrey**
  - Web platform that allows students to schedule tutorings with other students at Tec.
  - Developed with Next JS for the frontend using hooks, redux and styled components.
  - I was part of the frontend team that develop multiple pages and components.
- 2021 • **INVENTORY COLLECTION AND ORGANIZATION SYSTEM | Tecnológico de Monterrey**
  - Multi-agent robot system which consists of a grid with boxes and agent robots that must collect and stack this boxes in designated positions.
  - Develop of agents in Python with mesa framework. The data is sent through an API developed in flask for processing in Unity to show in a 3D enviroment.
- 2021 • **ADHD APP FOR CHILDREN - IOS APP | Centro Psicopedagógico Anáhuac A. C.**
  - IOS app developed in Xcode and Swift which helps children with ADHD improve concentration, focus and attention through 4 games specifically designed to meet these needs.
  - I developed one of the four games: a tic tac toe game which gradually increases its difficulty as progress is made and rewards for breaking personal records.
  - This app will be used by a pedagogical center for children in Puebla, Mexico.