

MOISES HIRAM PINEDA CAMPOS

B.S. in Computer Science and Technology

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EDUCATION

Tecnológico de Monterrey (ITESM)

B.S. in Computer Science and Technology

GPA: 96.73 / 100

August 2021 - June 2025

EXPERIENCE

Software Engineer Intern - Plexicus

Madrid, Spain - Frontend & QA

June 2024 - Ongoing

Nuxt, Python, Docker, MongoDB, Cypress

- Developed a software to create solutions, **detect and manage vulnerabilities** in company repositories with AI model.
- Collaborated with the engineering team to seamlessly integrate MongoDB-Python back-end services with a Nuxt.js front-end, using Docker for **consistent development and deployment**.
- Conducted in-depth investigations into software issues, utilizing **data analysis** and debugging tools to identify and **resolve critical bugs**, while designing and implementing **end-to-end Cypress tests** to automate key workflows.

PROJECTS

Oracle Chatbot

Web Page on Telegram

React JS, Oracle Cloud Infrastructure (OCI), Java, Spring Boot (with Maven), Selenium

February 2024 - June 2024

- Developed a Telegram bot to streamline Oracle developers' tasks, achieving a **20% time efficiency** improvement in task management and communication.
- Implemented CRUD operation features for developer tasks, including adding comments for **collaborative discussions with managers**.
- Integrated user authentication and password recovery functionality to **ensure secure access** and **minimize security risks**.

Connectivity Networks on Human Brain

Neuroinformatics Investigation

November 2023 - December 2023

Python

- Measured the **brain activity** during **cognitive tasks** (Reading, Memory, Mathematical Operations) using an EEG device
- Discovered efficient paths** between electrodes applying search algorithms (**BFS, DFS, Uniform Cost Search**)
- Implemented the **Floyd method** to determine minimum distances between all electrode pairs and constructed **Voronoi diagrams** to visually represent vertex degrees, facilitating the **analysis of brain connectivity patterns**.

Food Bank App - Banco de Alimentos de México

Mobile App

August 2023 - October 2023

Kotlin, Firebase

- Developed an app for the "BAMX" with the primary goal of **amplifying media visibility** and community impact.
- Reserved **exclusive access** to the application for administrators of the Food Bank, ensuring authorized control.
- Implemented **key features** including Log In, Edit your Profile, **Manage Donations** and Post on Facebook

Reactive Graph

Mobile App

May 2023 - June 2023

R

- Developed a project leveraging **Reactive Programming** principles to enhance system responsiveness and efficiency.
- Implemented **real-time regular grammar display feature**, marking the initiation and termination states.
- Designed functionality to **verify if the provided data is a DFA**. It will mark invalid states for user clarification

SKILLS

Languages: C++, Python, Java, Typescript, Javascript, R, MatLab, SQL, PHP, Kotlin, Swift

Technologies: React JS, GitHub, Git, Firebase, Spring Boot, HTML/CSS, Cypress, Postman, MongoDB, Nuxt, Selenium

CERTIFICATIONS

- Google Project Management (Coursera)** Ongoing
- QA Manual Testing (CoderHouse)** August 2024
- Software Testing Bootcamp (Udemy)** August 2024
- Java Development (Udemy)** June 2024
- Oracle Cloud Infrastructure** January 2024
- TOEFL IBT** December 2023

LEADERSHIP AND VOLUNTEERING

- Board of Directors** of CATEC (Club de Algoritmia Tec Guadalajara)
- Volunteering** each summer and winter at **BIFAM**, a Children's Dining Hall, Homework Workshop and **Support Center**.