

Daniel MONTES GUERRERO



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@DanielMontesGuerrero




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EDUCATION

2018-2024	Bachelor's degree in Computer Systems Engineering ESCOM-IPN (Superior School of Computer Sciences) Participant of "Algorithms Club - ESCOM"	CGPA 90 out of 100
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PROJECTS

Fall 2023	 Skin Cancer Follow Up App - Developed a mobile app that allows users to upload photos of skin lesions to assess the probability of melanoma skin cancer using convolutional neural networks, achieving an accuracy of 76%. - Added a feature to track the evolution of lesions using image processing algorithms such as Dull Razor and Otsu thresholding. - Designed the system architecture using React Native, PyTorch, Node.js, and Azure.	Mobile App and Convolutional Neuronal Network
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EXPERIENCE

fall 2022 and fall 2021	Meta Internships - Contributed to the development of a dependency manager service to manage asynchronous workflows and their dependencies across Meta's internal services. - Implemented a script to detect stuck workflows by querying service logs. - Developed a tool to detect out-of-order workflows by analyzing service logs. - Created an Erlang code generator to generate user-defined type validators for Graph API calls on the WhatsApp server.	Software Engineer Intern
summer 2023, summer 2022 and summer 2021	Microsoft Internships - Collaborated with two other explorer interns on a project to streamline the process of updating configuration files in the admin tool for the Delivery Cost Calculator at MS Supply Chain. - Enhanced UI/UX with AngularJS and implemented a CSV config file validator to improve user experience and data accuracy. - Developed a web tool to manage shipping promotions for Microsoft Store products, reducing the time required to create shipping campaigns from 11 weeks to 2-3 weeks. - Contributed to consolidating two microservices, reducing engineering overhead and improving maintainability. Led the adaptation of Azure architecture to host both services and upgraded .NET Core from version 3.1 to 6.	Explorer Intern, Software Engineer Intern
April 2024-present	Thomson Reuters - Contributed to the development of the client interface for CoCounsel, a chat-based generative AI (GenAI) assistant that analyzes information and delivers answers to legal, tax, and accounting professionals. - Micro-frontend development using ReactJS. - Backend development with NodeJS.	Fullstack Software Engineer

AWARDS

1st place	"2024 ICPC Mexico Finals" - ICPC Programming Contest, team "Enchiladas con patas"	November 2024
2th place	"2023 Gran Premio de México" - ICPC Programming Contest, team "Catadores de Patas"	2023
Participant	"47th ICPC Word Finals" - ICPC Programming Contest	April 2024

PROGRAMMING LANGUAGES

C++ - 4 years
JavaScript - 3 years
Typescript - 2.5 years
Java - 2 years
Python - 2 years
C# - 2 year
Erlang - 0.5 year

LANGUAGES

Spanish - native
English - TOEFL pBT

ACTIVITIES

Training Camp MX - 2022
11th Argentina Training Camp of UNLaR - 2020
1st Winter Training Camp of ESCOM Algorithm Club - 2020

TECHNOLOGIES

React - 2 years
.NET - 1 year
React Native - 1 year
ExpressJS - 1.5 year
Godot - 0.5 year