

Omar Macias

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Education

Tecnológico de Monterrey (ITESM)

Expected graduation date: Jun. 2025

B.S. in Computer Science and Technology | [Link to all courses](#)

GPA: X/100

Relevant Courses: Web Software Construction (JavaScript), Maths and Data Science (Python), OOP (C++), Security in Software Systems (Swift & Python), Algorithms and Data Structures I and II (C++)

Experience

Meta & Major League Hacking

Oct. 2023 - Present

Software Engineer Fellow

Python, Flask, Git, GitHub

- Contributing to Meta's AudioCraft, a Generative AI project focused on processing, generation, and autocompletion.
- Creating a Python command-line interface extension with text and audio input validation, to facilitate high-fidelity audio generation for sounds and music.

Meta & Major League Hacking

Jun. 2023 - Sep. 2023

Site Reliability Engineer Fellow

Python, Bash, MySQL, Flask, HTML, Git, GitHub, Docker, Linux

- Developed a website on Flask with Jinja, MySQL and a professional Git/GitHub workflow.
- Automated CI/CD pipelines for unit and integration testing, as well as the deployment the web app, database and Nginx using Docker Compose, GitHub Actions and scripting.

Universal Scientific Industrial Co., Ltd.

Mar. 2023 - Jun. 2023

Software Engineering Intern

PHP, JavaScript, SQL Server, HTML, CSS, Bootstrap, jQuery

- Handled overtime requests and approvals for 2,000+ employees by developing internal back-end systems with PHP.
- Displayed graphs and logs in web interfaces of 6,000+ monthly requests using HTML, JavaScript, and Bootstrap.
- Reduced reports loading times from 10 to 3 seconds, enhancing SQL queries by up to 60%.

Projects

MySpoti

Jul. 2023 - Ongoing

Personalized Spotify tops and insights web application

Python, JavaScript, HTML, Flask, Bootstrap, Git

- Showcasing user's Spotify top tracks, insights and listening history through visualizations in HTML.
- Integrating Spotify's OAuth2, API scopes and endpoints to access user user's data for further process with Flask.

AIWay

Sep. 2022

HACKMTY project to create reports and represent them on a map

Python, JavaScript, HTML, Django, Git

- Developed a real-time traffic and security alert visualization crowdsourced web page using Google Maps API, featuring heat maps for data representation.
- Led the back-end team using Python and Django to build a WhatsApp bot with Twilio. The bot processed user reports with OpenAI's GPT-3 API for classification of relevant information.

Leadership and Volunteering

Club de Algoritmia GDA

Jun. 2023 - Ongoing

Board of Directors

- Guiding a community of 550+ CS students in their professional development, technical skills and interest in tech.
- Orchestrating workshops, coding sessions, and events to enhance skills and encourage continuous learning.

Skills

Languages:

Python, PHP, C++, SQL, HTML, JavaScript, Bash, Go

Technologies & Tools:

Flask, Django, Git, Linux, Docker, CI/CD

Certifications:

[Microsoft SC-900 Certified: Security, Compliance, and Identity Fundamentals.](#)