



Melissa Lara De Leon Roque

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Address: Palermo, Italy (Home)

● ABOUT ME

Web Developer, Programming and Cybersecurity Student

I am actively engaged in self-directed projects, building a diverse portfolio and committed to continuous learning and adapting to new technologies

● WORK EXPERIENCE

15/10/2023 – CURRENT Campofelice di Roccella, Italy

WEB PROGRAMMER FREELANCE

- Developed responsive websites using HTML, CSS, and JavaScript.

- Utilized frameworks like ReactJS, TypeScript, NextJS, and tools such as Jekyll, GulpJS, NodeJS, and npm to enhance performance, scalability, and maintainability.
- Implemented mobile-first design, ensuring optimal user experience across devices.

- Created dynamic websites using Python and frameworks like Django and Flask.

- Built robust web applications with secure user authentication, database integration, and RESTful API endpoints.
- Optimized backend logic to improve load times and data processing efficiency.

- Manage database operations with sqlite3 and PostgreSQL

- Handled data modeling, schema design, and query optimization to ensure efficient data retrieval and storage.
- Implemented database migrations and backups, maintaining data integrity and security.

10/09/2010 – 18/12/2018 Palermo, Italy

CUSTOMER SERVICE MANAGER WORLD ESCAPE LLC

- Advanced from Customer Service to Partnership Development

- Progressed from customer service roles to leading partnerships with vacation rental websites and property management companies.

- Managed and led the customer service division

- Provided exceptional support to guests and property owners on premium platforms such as NewYorkStay.com, AmsterdamStay.com, and others.

09/2024 – CURRENT Italy

VULNERABILITY ANALYST FREELANCE

● EDUCATION AND TRAINING

23/01/2024 – 03/09/2024 Cambridge, Massachusetts, United States

CERTIFICATE OF COMPLETION OF CS50'S WEB PROGRAMMING WITH PYTHON AND JAVASCRIPT, INCLUDING SIX PROJECTS Harvard University

Website <https://cs50.harvard.edu/web/2020/> | **Field of study** Software and applications development and analysis

Link <https://certificates.cs50.io/be88f931-07d9-419d-a792-2ab1137c077e.pdf?size=letter>

Website <https://cs50.harvard.edu/x/2024/>
Link <https://certificates.cs50.io/5bb89bee-1225-4ac5-981a-5d75a17a0661.pdf?size=letter>

Cambridge, Massachusetts, United States
CERTIFICATE OF COMPLETION OF CS50 INTRODUCTION TO CYBERSECURITY Harvard University

Website <https://cs50.harvard.edu/certificates/83264d38-8a4e-4767-953e-ed3b787045b7>

Cambridge, Massachusetts, United States
CERTIFICATE OF COMPLETION OF CS50 PYTHON PROGRAMMING Harvard University

Website <https://certificates.cs50.io/c7473b35-e587-4624-b5a5-0b19a6ca7177.pdf?size=letter>

● **LANGUAGE SKILLS**

Mother tongue(s): **ENGLISH** | **FILIPINO**
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ITALIAN	C2	C2	C2	C2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Microsoft Office | Microsoft Word | Microsoft Powerpoint | Microsoft Excel

● **PROJECTS**

19/11/2023 – CURRENT
melissadeleon.com Portfolio

- Version 1**
- Part of the CS50x problem set requirement in 2023. Built with HTML, CSS, and JavaScript, this initial version provided a foundational portfolio showcasing essential skills and early design choices.
- Version 2**
- Developed in January 2024 after completing the CS50x course. Utilized ReactJS with TypeScript and Next.js to create a dynamic and interactive portfolio, featuring modern design elements and improved functionality.
- Version 3**
- Launched in May 2024, this version was built using Jekyll and particleJS, focusing on a clean but modern site approach while maintaining comprehensive content and a polished look.
- Version 4**
- Released in June 2024, this updated version of the second iteration included an iframe integration of the Angry Birds game, showcasing both technical skills and a playful touch to the portfolio.
- Latest Version**
- Built in September 2024 using Jekyll, GulpJS and Javascript, this version reflects my personality and inspirations as a computer programmer. It highlights my journey and passion for the field, featuring an updated design that encapsulates my growth and creativity.

Link <https://melissadeleon.com/>

15/08/2024 – CURRENT
MyBank Web App

Final Project for Harvard Online CS50 Web Development Course
Developed using the Python Django framework, MyBank is an innovative online banking platform that merges traditional banking reliability with modern technology. Designed to provide a scalable and user-friendly experience, the app modernizes financial management, making it more efficient and accessible.

Link <https://github.com/melissadeleonx/bank-app>

15/07/2024 – CURRENT

uniVVV Social Media Website (Version 2)

Part of Harvard Online CS50 Web Development Project Requirements

Developed with the Python Django framework, this futuristic social media platform features a space-inspired design and advanced functionality, including customizable walls and profile pages, reflecting a modern approach to social media.

Link <https://www.youtube.com/watch?v=NtdT9O3pYml>

15/05/2024 – CURRENT

Science Wiki website

Part of Harvard Online CS50 Web Development Project Requirements

Developed using the Python Django framework, ScienceWiki is a comprehensive platform offering reliable and up-to-date information on a wide range of scientific topics. Features extensive articles designed to provide users with an in-depth exploration of scientific wonders and advancements.

Link <https://github.com/melissadeleonx/science-wiki>

15/06/2024 – CURRENT

Space Marketplace

Part of Harvard Online CS50 Web Development Project Requirements

Developed using the Python Django framework, Space Marketplace is an e-commerce website featuring advanced functionality for online transactions. Designed to offer a seamless shopping experience, it includes product listings, shopping cart functionality, and secure payment processing, blending modern e-commerce capabilities with a unique space-themed design.

Link <https://www.youtube.com/watch?v=NXEd83gYiX4&t=4s>

15/01/2024 – CURRENT

CS50 Community Notes Website

Built using Jekyll with the Documentation Jekyll theme

CS50 Community Notes is a supplementary resource platform for the CS50 Introduction to Computer Science course. Designed to support aspiring coders, the site provides a space for sharing and accessing notes, offering valuable insights and resources for students at various stages of their programming journey.

Link <https://melissadeleon.com/cs50-community-notes/>

01/12/2023 – 31/12/2023

uniVVV Social Media Website (Version 1)

Final Project for Harvard Online CS50x Introduction to Computer Science course

Built using the Python Flask framework, this initial version of the uniVVV platform introduced core social media features with a focus on basic functionality and design, setting the foundation for future enhancements.

Link <https://github.com/melissadeleonx/uniVVV-version1>

15/02/2024 – 15/03/2024

Visit Sicily Now Blog Website

Built with Jekyll as a personal project

Visit Sicily Now blog website serves as the ultimate guide for planning your first visit to Sicily. It offers insights into hidden gems and must-see attractions on the island, providing readers with valuable information and recommendations to make the most of their travel experience.

Link <https://melissadeleon.com/visit-sicily/>