



# OWEN ARCEGA GUERRERO

## PROYECT EXPERIENCE

### • MQTT BROKER WITH IOT LIGHTS AND MONGODB

This project consisted on using different sensors to register different signals, which were sent through an MQTT Mosquito Broker to an MongoDB database and displayed into a webpage. <https://github.com/OwenArcega/IotLights>

### • SECURE CRUD WITH SECURITY AND SONARCLOUD

There are two modules, one for the users and other for the administrators. I implemented different security measures listed on the OWASP like encryption of the user data, the sanitization of the queries, the validation of the client session and purchases on the store. I also used sonarcloud to check vulnerabilities on the code and deploy the project.

<https://github.com/OwenArcega/aplicacionSegura>

### • ACCESIBLE WEBPAGE

I created a simple static webpage to fully understand the WCAG guidelines and their impact on web content. The webpage follows the WCAG 2.1 guidelines and was used and tested by blind people.

[https://owenarcega.github.io/old\\_cartoon\\_accesible\\_webpage/](https://owenarcega.github.io/old_cartoon_accesible_webpage/)

### • VIDEOGAME

I created a 2D videogame using Godot 3, this experience is about mental disorders while growing up, like depression and bipolarity. <https://owenarcega.itch.io/lucyd-oddysey>

## STUDIES

### • UNIVERSITY OF COLIMA

Software Engineer

Started on August 2021, I am currently on 7th semester planning to graduate the spring of 2024.

## PROGRAMMING LANGUAGES

### Web Development

- HTML
- CSS
- JavaScript
  - JQuery, NodeJS, Express, DotEnv, UUID,
- PHP
- SQL
  - MariaDB

### Miscellaneous

- Python
- Arduino
- Lua
- C#Script
- Kotlin
- .NET MAUI
- React Native
- TestCafe

## CERTIFICATES

- Legacy JavaScript Algorithms and Data Structures
- Responsive Web Design
- Elements of AI
- Intermediate SQL

## SUMMARY

I am a committed student with great soft skills like empathy, leadership and effective communication. I aim to be a better software engineer every day through practice and constancy. I love solving problems and finding new ways to improve already solved ones.

## WHAT I'M LOOKING FOR

I am looking to improve my experience in the technology work area, increase my general knowledge about state of the art technologies and obtain competitive growth opportunities.

## CONTACT INFO

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<https://github.com/OwenArcega>

## TECHONOLOGIES AND KNOWLEDGE

- API REST
- Accesibility with WCAG
- Security with OWASP
- UX/UI
- NoSQL with MongoDB
- Cloud
- Agile Methodologies
- Git

## LANGUAGES

- Spanish Native
- Advanced English - TOEFL ITP 613
- French Beginner
- Italian Beginner