IOT ENGINEERING STUDENT

SERGIO E. CASTRO C.

GET IN CONTACT

Mobile: +49 178 6827347   serghiocas@gmail.com

https://sergiocas.com/

Amanstraße 4, Deggendorf, Bavaria, Germany 94469

PERSONAL PROFILE

I'm a Mexican IoT engineering student based in Germany, passionate about web technologies and frontend development, while also exploring innovation in IoT.

SKILLS

- HTML5
- CSS3
- JavaScript
- Jquery
- Sass
- Bootstrap 4
- Tailwind CSS
- Vue.js
- Node.js
- Figma
- Playwright

INTERESTS

- Web development
- Web design
- UI and UX
- Internet of Things
- Extreme sports
- Traveling

LANGUAGES

- Spanish, Native
- English, Bilingual proficiency
- German, Basic working proficiency

WORK EXPERIENCE

WEB DEVELOPER

Siemens | 02/2024 – Present
- Maintained and implemented new features for the Thing Description Playground website
- Redesigned and developed the new Thingweb website with Docusaurus (thingweb.io)
- Created UI layouts and components using Figma
- Developed and implemented new features and components

WEB AND IOT DEVELOPER – INTERNSHIP

Siemens | 10/2023 – 02/2024
- Researched communication protocols (MQTT, HTTP, Modbus, CoAP)
- Tested protocols using CLI tools
- Expanded "Things" documentation examples for the "Test Things" project
- Implemented usability tests with Playwright for the Thing Description Playground website

WEB DEVELOPER

Siemens | 10/2022 – 09/2023
- Redesigned and developed the Thing Description Playground website (playground.thingweb.io)
- Created UI components, mockups, and UX navigation flows with Figma
- Developed and implemented new features and components

STUDENT HELPER

Technische Hochschule Deggendorf | 03/2021 – 07/2022
- Redesigned and developed the THD Online Career Platform (https://pmit-ext.th-deg.de/okb/)

EDUCATION HISTORY

TECHNISCHE HOCHSCHULE DEGGENDORF (THD)

Bachelor of Internet of Things | 2020 – Present
- Webmaster and active member of ESN Deggendorf

German Intensive Course | 03/2020 – 09/2020
- Completed the "Let's Get Started" course
- TestDaF 4 German language certification
- Webmaster and active member of ESN Deggendorf

General Engineering Exchange Year | 03/2019 – 03/2020
- Active member of ESN Deggendorf