LEONARDO CESPEDES TENORIO

Software Engineer

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SKILLS

- **Programming Languages:** Python, Java, C/C++, JavaScript, PHP, C#, SQL, HTML, CSS, .
- **Databases:** MySQL, PostgreSQL, SQL Server, MongoDB, Neo4j.
- **WebDevelopment:** MVC Architecture, Responsive Web Design, Fetch API, SASS.
- **DevOps:** Linux, Git/Github, Docker.
- **Soft Skills:** Proactive, leadership, team Work, critical thinking, passionate, communication.
- **Miscellaneous:** Visual Studio Code, Markdown, Git/Github, Problem Solving, Data Structures, Object Oriented Programming.

EXPERIENCE

Computer Research assistant
Centro de Investigación en Computación, ITCR

📅 Aug 2022 - Dec 2022

- Coordinated data standardization across team members.
- Processed and analyzed student data to get information related to computational learning.
- Used Python to analyze multiple metrics related to computational learning as well as report generation.
- Created user documentation and manuals for Python-based tools.

Course Assistant: Project Management
Instituto Tecnológico de Costa Rica

📅 July 2024 - Dec 2024

- Review of the evaluations carried out by the teacher throughout the semester.
- Publication of grades and attention to students in case of doubts or complaints.

Computer Research assistant
Centro de Investigación en Computación, ITCR

📅 September 2022 - Current

- Developed workflow to standardize the preprocessing intracranial electroencephalography (iEEG) recordings.
- Implemented and analyze several traditional and deep learning models for artifact and pathology detection in iEEG.
- Collaborated in projects related to medical image processing using machine learning, including denoising and segmentation projects.

EDUCATION

High School Diploma
Colegio Científico de Alajuela

📅 Feb 2020 – Dec 2021

B.S. Software Eng.
Instituto Tecnológico de Costa Rica

📅 2022 – 2025

LANGUAGES

- **English:** Professional proficiency.
- **Spanish:** Native proficiency.

PROJECTS

☺ LeonardoC1302/DevWebCamp
- Developed full-stack conference site with user registration and PayPal integration for paid passes
- Built admin dashboard for managing events, users, and content using PHP, MySQL, and JavaScript
- Implemented responsive UI with MVC architecture, HTML, and SASS

☺ LeonardoC1302/AdventureApp
- Created Costa Rica travel planning web app with reservation system and admin dashboard
- Implemented user authentication with password recovery and external API integration
- Utilized PHP, JavaScript, MySQL, and Mailtrap for core functionality

☺ LeonardoC1302/Real-State-MVC
- Developed full-stack property listing app with blog and admin CMS using PHP, MySQL, and JavaScript
- Leveraged OOP and MVC architecture for optimized code organization and reusability

☺ LeonardoC1302/HTTP-Server
- Built multi-threaded HTTP server in Rust with support for core methods and cookie management
- Implemented concurrency and synchronization techniques to handle multiple client requests efficiently
- Conducted thorough testing using Postman and Rust unit tests