Luis Carmenate

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Education

University of Ciego de Avila Maximo Gomez Baez (UNICA)   **CA, Cuba**
Bachelor's Degree in Computer Engineering
U.S. Degree Equivalency: Bachelor's Degree - *U.S. Equivalency certified by WES*

                                                                                                                                        2021

Relevant Coursework:

- **Algorithms & Programming:** Object-Oriented Programming, Programming and Algorithm Practice, Data Structures I & II, Discrete Mathematics, Simulation, Python Programming
- **Software Engineering:** Software Engineering I, II, III, Software Quality, Business Modeling, Selected Topics in Software Engineering, Current Trends in Computer Science
- **Artificial Intelligence & Machine Learning:** Intro to AI, Search Algorithms, Knowledge Representation, Expert Systems, Neural Networks, Machine Learning, AI Ethics
- **Web & Mobile Development:** Web Programming, Advanced Web Development Technologies, Mobile Application Development
- **Databases & Information Systems:** Database Systems, Business Modeling, Operations Research
- **Networks & Operating Systems:** Computer Networks, Network Administration, Operating Systems
- **Mathematics & Statistics:** Mathematics I–IV, Linear Algebra, Mathematical Probability and Statistics
- **Research & Professional Practice:** Research and Development I–III, Scientific Research Methodology, Professional Practice, Professional Seminar
- **Technical Competitions:** Competitive programming contests (COJ Programming Cups), representing the university

Professional Experience

Sicma21   **Barcelona, Spain**
Full Stack Developer   2023 - 2024
- Engineered web applications using Node.js, PHP, Python and related technologies.
- Implemented software solutions that enhanced system efficiency and scalability.
- Worked collaboratively with developers and designers to optimize UI/UX experiences.

Futura EdTech   **Bogota, Colombia**
Full Stack Developer   2022
- Designed and implemented both front-end and back-end solutions using Laravel/Lumen and Vue.js.
- Integrated RESTful APIs to extend platform capabilities, improving interoperability.
- Developed interactive and dynamic web features to improve user engagement.

Centelsa   **Bogota, Colombia**
Front-end Developer   2022
- Enhanced UI/UX development using Vue.js and modern front-end tools.
- Developed interactive components to enhance user experience.
- Maintained and updated codebase, ensuring compatibility with different platforms.

The Cloud Group   **Madrid, Spain**
Full Stack Developer   2021
- Focused on UI/UX development using Vue.js and modern front-end tools.
- Developed interactive components to enhance user experience.
- Maintained and updated codebase, ensuring compatibility with different platforms.

Leadership & Activities

Futura EdTech   **Bogota, Colombia**
Team Leader   2022
- Led a team of developers in designing and implementing full-stack solutions.
- Facilitated team collaboration by organizing regular progress reviews and coding sessions.
- Encouraged the adoption of Agile methodologies to improve workflow efficiency and deliver quality results.

Skills & Interests

Technical:
- Proficient in programming languages like C#, Java, JavaScript, TypeScript, Python, and PHP.
- Proficient in modern frontend frameworks such as Vue.js, React, and Angular, and backend frameworks including Laravel and various Node.js-based frameworks.
- Skilled in database management using MongoDB, MySQL, PostgreSQL, and SQLite, with familiarity in Redis for caching and real-time applications.
- Adept in tools like Git, GitHub, Postman, Docker, JetBrains IDEs, VS Code, Figma, and CI/CD platforms like GitLab CI and GitHub Actions, ensuring seamless development, testing, and deployment.
- Experienced with project management and collaboration tools such as Trello, Jira and Slack, promoting team productivity and workflow efficiency.
- Familiar with AI tools and APIs for enhancing applications with automation, content generation, and intelligent features.

Software Engineering Practices:
- Experienced in Agile methodologies such as Scrum, Kanban, and Extreme Programming (XP) for iterative and collaborative software development.
- Familiar with DevOps principles and practices to integrate development and operations for faster and more reliable deployments.
- Skilled in writing clean, maintainable code following SOLID principles and Test-Driven Development (TDD) when appropriate.
- Understands the value of pair programming, continuous integration, and code reviews in improving code quality and team performance.

Testing & Quality Assurance:
- Proficient in using testing frameworks such as PHPUnit, Mocha, Jest, and PyTest to write unit, integration, and end-to-end (E2E) tests.
- Familiar with API testing tools like Postman and Newman, and browser automation tools such as Selenium, Puppeteer, and Playwright.
- Applies Test-Driven Development (TDD), Continuous Integration (CI), and security best practices including authentication, input validation, and protection against common web vulnerabilities (e.g., XSS, CSRF, SQL Injection).
- Knowledgeable in software architecture patterns such as MVC, layered architecture, and microservices to support scalable and maintainable codebases.

Soft Skills:
- Strong communication and teamwork abilities in agile, cross-functional environments.
- Experienced in mentoring junior developers and contributing to collaborative technical decisions.
- Proactive in code reviews, technical documentation, and knowledge sharing.

Language:
- **Spanish**: Native fluency.
- **English**: Conversational proficiency.

Interests:
- **Competitive Programming:** Enjoy participating in algorithm-based competitions like the COJ Programming Cups.
- **Tech Blogging:** Write tutorials and guides to help others learn about software development best practices.
- **Open-Source Contributions:** Passionate about collaborating on open-source projects to improve tools and frameworks.
- **Software Development:** Constantly exploring new programming paradigms, tools, and technologies to enhance coding practices.

Credential Evaluation - World Education Services (WES):
- **U.S. Degree Equivalency:** Bachelor's degree from a regionally accredited institution
- **Credential:** Engineering Degree in Computer Engineering – Universidad de Ciego de Avila, Cuba
- **Issued:** September 11, 2024

Digital Access

Project Portfolio:

https://lcarmenate1997.github.io/portfolio/

WES Verification:

https://badges.wes.org/Evidence?i=21a87601-4856-4b7a-b68b-97a81a4b5fbc&type=us

Credly Badge:

https://www.credly.com/badges/d2e1ccce-93ca-4c7e-9011-82aed7a748ed/public_url