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Computer Engineering Student

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As a final-year computer engineering student at Costa Rica Institute of Technology (TEC), I have actively engaged in various projects delving into diverse cutting-edge technologies and developing crucial soft skills. I am now eager to apply my knowledge and contribute to innovative software projects as a valuable member of a dynamic team.

Skills

- Web Development Technologies: **React, Angular, HTML5, CSS3, Material UI, Bootstrap**
- Backend Technologies: **.NET, Express**
- Database management systems: **PostgreSQL, SQL Server, MongoDB**
- Programming Languages: **Python, C, C++, JavaScript, Typescript, Java**
- Application Lifecycle Management and DevOps: **Azure DevOps, Jira (Agile)**
- Operating Systems: **Ubuntu, Arch Linux, Windows**
- Version control: **Git (GitHub)**

- Leadership
- Communication
- Teamwork
- Adaptability
- Problem-solving
- Time management

Education

Bachelor Degree in Computer Engineering
Costa Rica Institute of Technology (ITCR)

2019 – Present (1 year away from graduation)
Cartago, Costa Rica

- Relevant Coursework: Advanced Databases, Software Specification and Design, Algorithms and Data Structures, Computer Architecture, Pattern Recognition, Embedded Systems.

Honors High School Diploma
Claretiano High School

2014 - 2018
Heredia, Costa Rica

Experience

Digital Design Workshop Assistant
Computer Engineering Area - Costa Rica Institute of Technology

February 2023 – July 2023
Cartago, Costa Rica

- Conducted a timely review and assessment of short tests and student assignments for the course, ensuring correctness and providing constructive feedback to enhance overall learning outcomes.
- Aided the professor in preparing instructional materials contributing to the effective delivery of course content. Additionally, supported students in grasping course topics, fostering a conducive learning environment.

Relevant Projects

Full-Stack Projects
ITCR course: Databases

- Developed as a team a comprehensive e-commerce platform allowing users to browse products, add them to the cart, and complete transactions. Implemented a responsive user interface using Angular for the frontend, .NET Entity Framework for the backend and PostgreSQL as the database.

- Created a robust gym administration application to streamline operations, including member management and class scheduling. Employed the same technologies as the e-commerce application with a SQL Server database.
- For both projects the team utilized Azure DevOps for responsibility control and workflow management.

Software Design Project   ITCR course: Software Specification and Design

- Collaborated in a team to develop a web game for events, where the professor served as the client. Utilized the Agile methodology to gather requirements, organize sprints, and provide progress updates.
- Learned the Agile approach for software specification and design, enhancing skills in effective communication and iterative development.

Personal Web Portfolio   Own Project

- Developed a personal portfolio with React to enhance frontend skills and to showcase a detailed overview of projects completed during my academic journey.

Embedded Systems Projects   ITCR course: Embedded Systems

- Collaboratively developed projects integrating a webpage, server, and embedded systems such as Raspberry Pi. Employed a custom Yocto-based operating system to create IoT solutions.

Games Projects   ITCR course: Algorithms and Data Structures

- Created games and applications in languages like Python and Java, implementing best practices, data structures, design patterns, and client-server architectures.

Extra-Curricular Activities

Scouts

Guides and Scouts of Costa Rica   2009 – 2015

Led a team of scouts in various outdoor and community service activities, fostering teamwork and leadership skills.