Emmanuel Jaimes

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Software Engineer

Education

University of Iowa 2024
Iowa City, IA
BSE Computer Science & Computer Engineering

Skillset

Interpersonal
- Bilingual
- Leadership, Teamwork
- Collaboration, Creative
- Adaptability, Analysis

DevOps
- GitHub, GitLab, Jenkins
- Gradle, Maven
- Docker
- Grafana

Java
- JUnit, Spring Boot, FX
- Serialization
- Multithreading
- Containerization

C & C++
- Squish (Froglogic)
- Testing, Debugging
- Embedded Systems
- Microcontroller Prog.

JavaScript
- npm, Yarn
- JSX, TSX
- VS Code
- Node.js, React.js

HTML & CSS
- Tailwind.css
- Bootstrap
- SASS, SCSS

Databases
- mySQL
- Firebase

Experience

Recent graduate with experience in various areas of software engineering, including a concentration in design, development, and implementation of software for embedded systems and related technologies. Expanding and strengthening toolset with front-end development and design of web-applications.

Product Engineer Intern – Embedded Applications
John Deere – Dubuque, IA May 2022 – August 2022
◊ Developed and integrated a graphical user interface (GUI) for testing Obstacle Intelligence program assignments using Python scripts within the Squish IDE.
◊ Enhanced the REST API using Java to expand behaviors and functions accessible within the GUI, enabling more accurate simulation behavior.
◊ Collaborated daily with a Scrum team to discuss and meet deadlines efficiently and effectively, gaining insights into the product development process.

IT Student Support Specialist – Network Troubleshooting
University of Iowa – Iowa City, IA May 2022 – May 2024
- Installed, configured, and troubleshooted hardware and software issues for end-users promptly and efficiently.
- Imaged, deployed, and provided technical support for hundreds of desktops, laptops, printers, and networked devices within the college.
- Managed and updated the inventory of IT devices and resources across various buildings on campus.

Bartender, Private Event Staff – Cocktail & Late Night Specialty
ReUnion Brewery, ... – Iowa City, IA Dec 2019 – May 2024
o Maintained the highest standard of service throughout the establishment and provided management and patrons with resourceful solutions.
o Flawlessly fostered an enjoyable environment for guests on any occasion.

Projects

Digital Smart Thermometer
- Designed and programmed an Arduino Uno with an ATmega328P, LCD 1602 Module, HW-131 Power Supply Module, and a temperature sensor to meet design specifications.
- Designed and implemented a web application to display and demonstrate live temperature readings alongside live weather forecasts for a given location using the OpenWeather API.