

# Emmanuel Jaimes

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## EDUCATION

**The University of Iowa**, Iowa City, IA

Bachelor of Science in Engineering, Exp. **May 2024**

Majoring in Computer Science & Engineering

Dean's List Spring 2022

## LANGUAGES, TOOLS, & SKILLS

Java, C++, C, Python, HTML, CSS, JavaScript, Haskell, Verilog, Assembly, SQL, Qt, QML

Bash, Git, SVN, Full-Stack Development, Embedded Systems, Embedded Programming, Product Design & Testing

Fluent in Spanish & English, Communication, Collaboration, Teamwork, Leadership, Creativity, Problem Solving

## WORK EXPERIENCE

### IT Student Support Specialist

Univ. of Iowa College of Public Health, Iowa City, IA

August 2022 – June 2024

- Install, configure, and troubleshoot hardware and software issues for end-users.
- Provide technical support for desktops, laptops, printers, and networked devices within the College.
- Maintained and updated inventory of IT resources across various buildings on campus.
- Troubleshoot any issues and provide solutions in a swift and effective manner.

### Product Engineer Intern

John Deere, Dubuque, IA

May 2022 – August 2022

- Developed and integrated a GUI for testing Obstacle Intelligence program assignments using Python scripts within Squish IDE
- Updated Rest API using Java to ensure proper calls and responses behaved and functioned as intended.
- Communicated and worked with team members daily to meet deadlines efficiently and effectively while learning production and Agile workflow.
- Asked questions frequently to assess and strengthen understanding of new concepts and environments.

### Bartender, Event Staff

ReUnion Brewery, Omni Hotels & Resorts, Dallas Farmers Market, Dallas, TX

June 2017 – 2024

- Maintained the highest standard of service throughout the establishment and provided management and patrons with resourceful solutions.
- Represented management in daily operations when handling guests' questions, requests, or complaints.
- Flawlessly fostered an enjoyable environment for guests on any occasion.

## PROJECTS

### Digital Smart Thermometer

- Designed and programmed an Arduino Uno with ATmega328P, LCD 1602 Module, HW-131 Power Supply Module, and a temperature sensor to meet design specifications.
- Developed a GUI to output readings retrieved from the temperature sensor into a time-summarized chart.
- Designed and developed a web app to display and demonstrate live temperature readings alongside live weather forecast for the given location using the OpenWeather API
- Collaborated with team members frequently to effectively complete project tasks.

### Game Website

- Recreated a fun project on the classic Snake arcade game with a twist
- Enhanced programming concepts using HTML, CSS, and JavaScript by demonstrating data structure understanding, design applications, along with website development skills.

## **INVOLVEMENT**

### **The American Institute of Aeronautics and Astronautics (AIAA)**

University of Iowa, *Iowa City, IA*

- Worked on projects programming GPS trackers implanted in competition rockets.
- Communicate with team members, provide, and receive input, to complete project tasks and assignments to create the most optimal design.

### **The Association for Computing Machinery (ACM)**

University of Iowa, *Iowa City, IA*

- Practice and exercise skills in computing machinery and apply to problem solving skills.
- Exercise skills in a group and learn skills through team members' input.

### **Mexican American Student Association (MASA)**

Vanderbilt University, *Nashville, TN*

- Designed elegant logo to best capture organization's mission and represent core values and culture.
- Communicated regularly with council to provide satisfactory product and exceeded expectations.