

Justyce L. Hickman

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EDUCATION

University of Nevada, Reno

Reno, Nevada

B.S. in Computer Science

Expected Graduation, May 2028

- o **Concentrations:** Web Development, Artificial Intelligence
- o **GPA:** 3.3/4.00
- o **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Linear Algebra, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

PROJECTS

ACM Club Website

Reno, Nevada

Head Developer

Jan 2026 – Present

- Developed and deployed a fully responsive website for the University of Nevada, Reno ACM chapter using HTML, CSS, and JavaScript, serving 500+ students
- Built the entire site from scratch, designing a multi-page structure (events, resources, sponsorships) to improve organization and usability
- Managed production deployment on a Linux-based server using Alpine, leveraging SSH and Nano to edit, update, and maintain live site files
- Structured frontend code for maintainability and scalability, enabling efficient updates and future feature expansion
- Optimized layout and styling for cross-device compatibility and accessibility
- Served as Director of Technology, leading development and ongoing improvements to the organization's primary website

Embedded Water Cooler System

Reno, Nevada

Head Developer

Dec 2025 – Jan 2026

- Designed and implemented a real-time embedded system for a water cooler using a finite state machine (DISABLED, IDLE, RUNNING, ERROR) to control system behavior
- Programmed an Arduino-based microcontroller using C/C++, directly manipulating hardware registers for ADC, UART, and GPIO control
- Implemented interrupt-driven architecture and timing logic (millis-based scheduling) for efficient, non-blocking system operation
- Integrated multiple hardware components including temperature/humidity sensor (DHT11), water level sensor, stepper motor, fan (PWM), LCD display, and status LEDs
- Designed safety and fault-handling logic to detect low water levels and trigger error states, preventing system damage

Acai Bowl Business Website

Reno, Nevada

Head Developer

Nov 2025 – Jan 2026

- Deployed frontend and backend using modern cloud platforms (Vercel and backend hosting), ensuring reliable performance and scalability
- Designed and implemented RESTful API endpoints in FastAPI to manage menu data, enabling real-time updates without redeploying the frontend
- Implemented a mobile-first, responsive UI optimized for performance and SEO, improving load times and user experience

SKILLS

Programming: C++, Python, JavaScript, Node.js, C, C#, HTML, CSS

Frameworks/Libraries: React, Express, Axios, Mongoose, Bcrypt, JWT, Node.JS, NPM, Socket.IO, TailwindCSS, Framer-Motion, FASTAPI, NextJS

Tools: Git, GitHub, Postman, Heroku, Vercel, Vite, Namecheap, ArcJet, Unity, Claude, ChatGPT, Figma, Canva, Arduino IDE, Linux, MongoDB, SSH, Nano