

David Cabrera

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SUMMARY

Computer Engineering student at California State University, Long Beach with coursework in digital logic, circuits, Verilog, Vivado, LTspice, and electronics labs. Interested in embedded systems, hardware testing, engineering support, and entry-level tech roles. Bilingual English/Spanish team member with reliable work experience in high-pressure environments and a personal website for projects/resume updates.

EDUCATION

California State University, Long Beach — B.S. Computer Engineering Candidate

Expected Graduation: 2028 | Long Beach, CA

Relevant Coursework: Digital Logic Design, Circuits I, Discrete Mathematics, Introductory Programming, Electronics Labs

TECHNICAL SKILLS

Programming/HDL: Beginner Python and Verilog fundamentals; currently learning C language, introductory Arduino/C concepts, debugging basics, and Git/GitHub

Tools/Labs: Xilinx Vivado, LTspice, breadboard circuits, digital multimeter, oscilloscope, DC power supply

Hardware Interests: Embedded systems, digital logic, microcontrollers, sensors, low-voltage systems, hardware testing

Other: Microsoft Office, Google Workspace, documentation, English/Spanish fluency

PROJECTS & COURSEWORK

Personal Website / Portfolio | dcabrera.tech | Personal Project | 2026

- Built and customized a personal website to organize resume information, projects, music, and learning updates.
- Used AI-assisted guidance and outside references while learning site structure, styling, content organization, and deployment workflow.

Arduino Smart Alarm Prototype | Personal Project | Planned Summer 2026

- Planning Arduino-based alarm prototype using buttons, LEDs, buzzer, resistors, and sensor inputs.
- Goal: practice wiring, basic code, trigger detection, reset behavior, and debugging.

Digital Logic and Circuit Labs | CSULB Coursework | 2026

- Completed labs with Verilog modules/testbenches, K-map design, combinational circuits, breadboard circuits, LTspice simulations, DMM measurements, and oscilloscope use.

EXPERIENCE

Back of House / Line Cook | HiroNori Craft Ramen | January 2023 - Present | Long Beach, CA

- Prepare ingredients and cook menu items in a fast-paced kitchen while maintaining quality, consistency, and speed during high-volume rushes.
- Support prep, station setup, restocking, cleaning, closing duties, and team needs across multiple kitchen responsibilities.
- Maintain food safety, cleanliness, and organization standards while communicating clearly and adapting under pressure.

Volunteer / Technical & Music Support | Church | January 2019 - Present

- Set up sound systems, computers, tables, chairs, and event equipment; played drums during services and assisted with childcare/setup.

ACTIVITIES

- Interested in joining a CSULB engineering/project club such as Formula SAE/SAE electrics or IEEE.
- CSULB Choir participant: Concord Choir (1 year) and Cantus (1 year); 4 years of high school marching band experience.