Cristino Castro
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Portfolio: https://cristino4.github.io/My-Portfolio/

About

Full Stack Web Developer and Electronics Engineer with a background in electronics design and development, customer technical support, software testing, and science teaching.

Skills

Software:	OrCAD Schematic Capture, AutoCAD, SolidWorks, DTS data acquisition systems, Git & GitHub
Programming:	JavaScript, HTML, CSS, Python, C++, Verilog
Laboratory:	Oscilloscope, video signal test equipment, RS232 and IP control, Networking, Audio/Video system troubleshooting, I2C debugger
Language:	English & Spanish

Experience

Broadata Communications Inc. Torrance, CA – Full Time   December 2016 – March 2023
Project Engineer/Test Engineer
- Conducted verification and validation testing and reports of professional video electronics
- Provided analysis and technical solutions to product failures and implemented corrective actions
- Created production test procedures and conducted quality inspections of video electronics
- Designed and tested video electronic hardware
- Assisted software development team in defining, developing, and testing full-stack software products
- Provided on-site assistance for installation and commissioning of video electronics

Applus IDIADA, Adelanto, CA – Full Time   February 2022 – August 2022
Crash Data Acquisition Engineer
- Developed vehicle crash test plans based on customer requirements
- Communicated with electronics staff vehicle test requirements and vehicle safety information
- Coordinated with project engineers on preparations for the crash tests
- Installed vehicle sensors and collected hundreds of channels of data.
- Analyzed sensor data and created comprehensive test reports

East Los Angeles College, Outreach Education Program – Part Time   September 2015 – December 2016
Adjunct Instructor
- Taught Manufacturing Industrial Technology 220 course (robotics) at high schools
- Guided students to build and program a small robot and to use a variety of sensors using PBASIC

Gadget Wireless, Cell Phone Business – Full Time   May 2015 – September 2016
Owner/Manager
- Managed a business to provide low-cost cell phone plans to customers
- Learned to differentiate between services of many pre-paid carriers and created product offerings
- Stood out among other competitors by offering free smartphone training

Cell phone Repair Technician, Self Employed – Part Time   January 2013 – September 2016
    Offered cellular phone repair services for customers
    Self-educated in repair and refurbishing of mobile devices
    Troubleshooted malfunctioning tablets and phones and provided solutions

California State University, Los Angeles, CA
DIRECTV Senior Design Project – Internet Connectivity Device   October 2014 - June 2015
Project Engineer
    Was responsible for preparing customer meeting agendas, documenting technical progress,
    maintaining schedule, conducting microcontroller networking research,
    designing Ethernet communication microcontroller code, and preparing final presentations

East Los Angeles College, Learning Assistance Center – Part Time   February 2013 – August 2015
Science Tutor/Information Technology (IT) Assistant
    Tutored students in mathematics, chemistry, and physics
    Documented each tutoring session using a Microsoft Access database
    Provided computer assistance to students and faculty and conduct supplemental instruction

Education

University of California, Irvine, CA   December 2022 – June 2023
Full-Stack Web Development Boot Camp Certificate

California State University, Los Angeles, CA   September 2018 – December 2019
Master of Science, Electrical Engineering, Computer Engineering (not completed)

California State University, Los Angeles, CA   September 2012 - June 2015
Bachelor of Science, Electrical Engineering

East Los Angeles College, Monterey Park, CA   August 2008 - July 2014
Associate of Science, Computer Aided Drafting and Design