

**About Me**

I am an Engineer with experience in electronics design and development, customer technical support, Full-Stack web development, and science teaching.

**Education****University of California, Irvine, CA**

December 2022 – June 2023

Full-Stack Web Development

**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

**Skills**

**Software:** OrCAD Schematic Capture, AutoCAD, SolidWorks, Vehicle crash testing data acquisition software, Git & GitHub

**Programming:** JavaScript, HTML, CSS, Python, C++, Verilog

**Laboratory:** Oscilloscope, video test equipment, RS232 and IP control, Networking, Audio/Video system troubleshooting

**Language:** English & Spanish

**Experience****Applus IDIADA, Adelanto, CA – Full Time**

February 2022 – August 2022

*Crash Data Acquisition Engineer*

Develop vehicle crash test plans based on customer requirements

Communicate with electronics staff vehicle test requirements and vehicle safety information

Coordinate with the project engineer on preparations for the crash tests

Install vehicle sensors and collect hundreds of channels of data.

Analyze the data, create and provide comprehensive test reports

Assist vehicle preparation team in preparing the vehicles for crashes

**Broaddata Communications Inc. Torrance, CA – Full Time**

December 2016 – March 2023

*Project Engineer/Test Engineer*

Conduct verification and validation testing and reports of professional video electronics

Provide analysis and technical solutions to product failures and implemented corrective actions

Assist senior hardware/software engineers in validating video electronic products

Create production test procedures and conducted quality inspections of video electronics

Design and test video electronic hardware

Compile customer feedback to design engineers for product improvement

Provided on-site assistance for installation and commissioning of video electronics

**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

The course is an introduction to robotics and microcontroller programming

Students learn to build and program a small robot and to use a variety of sensors

**Gadget Wireless, Cell Phone Business – Full Time**

May 2015 – September 2016

*Owner/Manager*

Successfully managed a business to provide low-cost cell phone plans  
Learned to differentiate between services of many pre-paid carriers  
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 in my cell phone business  
Self-educated in basic disassembly of mobile devices  
Troubleshooting of malfunctioning tablets and phones

**California State University, Los Angeles, CA**

**DIRECTV Senior Design Project – Internet Connectivity Device**

October 2014 - June 2015

*Project Engineer*

Responsible for preparing customer meeting agendas, documenting technical progress,  
maintaining schedule, conducting microcontroller networking research,  
designing Ethernet communication 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

**Links**

Linked In: <http://www.linkedin.com/in/cristino-castro-9b3>

GitHub: <https://github.com/cristino4>

Portfolio: <https://cristino4.github.io/My-Portfolio/>