

Christopher Morales

Undergraduate Student

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Relevant Work Experience

Makerspace Assistant

California State University, Los Angeles

Aug 2021 – Present Los Angeles, CA

- Contributed to establishing the Electrical and Computer Engineering (ECE) Makerspace. Procure, set up, and maintain equipment and supplies
- Create demos with equipment and host Makerspace lab tours
- Develop and run training program Makerspace users
- Implemented and constructed open source 3D printer

Office of Special Service Math Tutor

Los Angeles City College

Oct 2020 – Oct 2022 Los Angeles, CA

- Develop and implement strategies to meet the needs of the student using appropriate methods of learning delivery and instruction in the least restrictive environment
- Differentiate activities and goals to meet each student's individual needs and ability

BE WINNORs Assistant

California State University, Los Angeles

March 2021 – Aug 2021 Los Angeles, CA

- Contributed to computer vision code development to detect and track human in real-time video
- Applied various morphological operations to clean input image

The Southeastern Coalition for Engagement and Exchange in Nanotechnology Education Internship

Norfolk State University

July 2021 Norfolk, VA

- Performed EIS lab to study what effects pH might have on impedance
- Synthesized research on neural electrode design and EIS data to create and present a research poster
- Designed a diagnostic neural electrode using AutoCAD Software
- Presented Statistical Summer Research at Cal State University of Fullerton in STEM Conference at the end of Summer 2019

NASA/CaSGC Microcomputer and Robotics Internship

Undergraduate

April 2019 – Aug 2019 Los Angeles, California

- Collaborated with a team to design hot wire cutting machine
- Used electrical and hand tools to build machine frame with plywood
- Presented Hot Wire CNC Machine at NASA Armstrong Base Conference

Objective

Robotics major seeking to use robotic programming knowledge in research and development in the role of creating robotic body parts to help human advancement. Responsible and ambitious student with excellent time management skills and fast learning abilities.

Relevant Courses

Circuit Analysis Signals and Systems
Embedded Systems Programming II
Biomedical Devices
Embedded Architecture
Electric and Magnetic Fields

Programming Languages / Software Applications

KiCad PyCharm Mobaxterm
PSoC Creator LaTeX Visual Studios
Ubuntu C MATLAB LabVIEW
Excel xilinx

Education

California State University, Los Angeles

Los Angeles, CA

2020 - Present

Los Angeles City College

Los Angeles, CA

2017 - 2020

Extracurricular Activities

- Project development: Foam Airplane Project; Model Electric Car for disabled child. Fabrication Lab, assistant to Department of Physics Chair.
- Member, Fabrication Lab, Math Club, and Society of Women Engineers at LACC
- Secretary, Biomedical Engineering Society, Cal State LA Chapter.