

# Jared Carrillo

(818) 984-8509 - jared.carrillo.483@my.csun.edu

## Education

California State University Northridge  
- Mechanical Engineering  
- GPA : 3.278

## Skills

- 5 years of experience in CAD - Fusion360, Solid Works
- 2 years of experience in 3D Animation - Blender
- Knowledgeable in programming languages such as Python and C#
- Experience with Machine Learning and Tensorflow
- 4 years of experience with Photoshop and Illustrator
- C1 Spanish and A2 Japanese

## Experience

PAR-D (Positive Augmented Reality Development) - Mechanical Engineer (Nov 2020 - Present)  
Tasked with creating systems that facilitate research efficiently and to develop augmented reality programs with assistive machine learning capabilities. Examples include using off the shelf electronics and 3D printing to create devices that quantify volunteers' experiences in augmented reality and to create addons for AR devices.

Optik.AI - Software Engineer (Jan 2019 - Present)  
Created a program that compiled scraped content from an individual's online presence to create a presentable document for potential clients looking to understand employees better.

Computer Security Mentor (Aug 2020 - Nov 2020)  
Trained High School students on securing computers effectively. Lessons for securing were given for operating systems such as Windows 7 and Debian Linux.

## Projects

Low-Cost Modular Robotic Quadruped (Aug 2019 - Mar 2020)  
Using consumer electronics and parts designed in solid works, a robotic quadruped was created within a limited budget. This quadruped was designed to handle any situation that was thrown at and survive any incident with little to no cost to the user for repairs or upgrades.

Augmented Reality Program for Aiding in Memory Impairments (Jan 2021 - Present)  
Developed a program in unity for microsoft's hololens platform. Program used machine learning to identify individuals and bring up identifying information to help the user. In addition photos were also analyzed and a background was recreated in AR in order to stimulate memories. All the heavy processing was streamed from a small wearable single board computer.

NASA SUITS - Mechanical Engineer (Nov 2020 - Mar 2021)  
The team project consists of creating an augmented reality heads-up display to potentially be deployed in space by NASA astronauts in 2024. In charge of UI elements, electronics/sensors and anything relating to CAD.

ARCS - Trust in Autonomy (Jan 2021 - Present)  
Addressing the social technical challenges linked to trust and reliance of autonomous systems. Create a system where an autonomous entity can be trusted to direct itself without the aid of an operator