

Andy Ngo

Mechanical Engineer

Eager to work in a self-driven and team oriented environment. Adapt in solving problems, communication, quickly to learn, and leadership. Seeking opportunities in automotive, agricultural, or mechanical design positions.

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Technical Skills

- **Coding Language**
Matlab • Arduino IDE
- **Communication Skills**
- **CAD Modeling**
Solidworks
- **Microsoft Office Suite**
- **Languages**
English • Cantonese

Education

- **University of California, Merced**
Studied Mechanical Engineering
Fall 2016 - Spring 2021

Experiences/Projects

- **Star Shield Solutions - Installer**
 - Tasked with installing paint protection film and GPS units on incoming new vehicles. Providing customer communication skills on how the installed products function.
- **Capstone Project**
Student & Software Officer, Spring 2021
 - Tasked with programming the GUI and coding for the prototype winch system using two DC brushless motors controlled by an Odrive motor controller.
- **Automatic Irrigation System**
Self Project, Summer 2020 - Spring 2021
 - Program and built an Arduino system to control pipes from a water source to water vegetables and herbs when soil is below a certain level of dryness
- **Tree Injection Design**
Student, Fall 2019
 - Created a CAD model of a functional design of a tree injection system for injecting tree treatment into the tree
- **Herb&flor**
Intern, Summer of 2014-2017
 - Lead groups of interns and participated throughout the program
 - Gave positive communication skills and customer services towards customers on questions about the products

