

# WINSTON LIAO

## INFORMATION

### Portfolio

winstonliao.com

### Contact

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greidentstudios.etsy.com

## EDUCATION

### Stanford University

Graduation Year: 2019

B.S. Mechanical Engineering

Overall GPA: 4.02

### Evergreen Valley High School

2011 - 2015

GPA: 4.0

Valedictorian

## SKILLS

### Fabrication

Solidworks

3D Printing

Laser Cutting

Milling

### Coding

C, C++

Java

Arduino

Python

Matlab

HTML/CSS

Javascript

Vue.js

### Adobe Suite

Illustrator

Photoshop

InDesign

Premiere Pro

## EXPERIENCE

### ProGlove

Munich, Germany

Software Development Intern June 2018 - Sept. 2018

- Developed UI elements for wearable display device in Vue.js
- Built progressive web app for sales engineers to demonstrate the device's use case for logistics processes
- Designed and constructed hardware and demo kit packaging

### CHARM Lab

Stanford, CA

Researcher

April 2018 - June 2018

- Built pneumatic test stand to measure mechanical properties of cantilevered inflatable beam for simulation verification
- Developed computer vision program in Matlab to analyze data

### Stryker Endoscopy

San Jose, CA

Manufacturing Engr. Intern

June 2017 - Aug. 2017

- Built fixture for arthroscopic shaver handpiece assembly
- Implemented process improvement that eliminated 10-minute wait time during manufacture of electrocautery probes
- Upgraded pneumatic camera head assembly fixtures with 2-handed safety switch systems

### Northrop Grumman Marine Systems

Sunnyvale, CA

Program Management Intern

June 2016 - Aug. 2016

- Conducted actuator vibration testing to compare new and legacy measurement systems
- Compiled technical data to write report on air regulator

### Greident Studios

San Jose, CA

Founder

February 2016 - Present

- Design posters based on pop culture and TV shows
- Conduct marketing, sales, and accounting duties

## COURSEWORK

- Bing Overseas Program in Berlin - Spring 2017
- Computer Organization & Systems, Design & Manufacturing, Electronics, Statics, Dynamics, Mechanics, Thermodynamics, Fluids, Vector Calculus, Statistics & Probability

## LEADERSHIP

### Stanford Gaming Society

Stanford, CA

President

June 2016 - Present

- Organize logistics and events for six different subgroups
- Design gameplay mechanics for multi-day recreational event for over 300 students