

WINSTON LIAO

INFORMATION

Portfolio

winstonliao.com

Contact

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greidentstudios.etsy.com

EDUCATION

Stanford University

B.S. Mechanical Engineering

Graduation: June 2019

Overall GPA: 4.03

M.S. Mechanical Engineering

Graduation: Dec. 2020

Evergreen Valley

High School

2011 - 2015

GPA: 4.0

Valedictorian

SKILLS

Fabrication

Solidworks/HSMWorks

CNC Machining

3D Printing

Laser Cutting

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 UIs 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 inflatable vine robot 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

Greident Studios

San Jose, CA

Founder

February 2016 - Present

- Design posters based on pop culture and TV shows
- Conduct sales and accounting with +\$15,000 in revenue

COURSEWORK

- Bing Overseas Program in Berlin - Spring 2017
- Computer Organization & Systems, Design & Manufacturing, Electronics, Statics, Dynamics, Thermodynamics, Fluids,
- Heat Transfer, 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

Stanford Film Society

Stanford, CA

Co-Director

Sept. 2018 - Dec. 2018

- Wrote, produced, directed, shot, and edited horror short film
- Guided crew of 16 students through production design and shooting process.