

WINSTON LIAO

INFORMATION

Portfolio

winstonliao.com

Contact

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greidentstudios.etsy.com

EDUCATION

Stanford University

Graduation Year: 2019

B.S. Mechanical Engineering

GPA: 4.02

Evergreen Valley High School

2011 - 2015

GPA: 4.0

Valedictorian

SKILLS

Fabrication

Solidworks

3D Printing

Laser Cutting

Milling

Coding

C++

Java

Arduino

Python

HTML/CSS

Javascript/jQuery

Google Apps Script

Design

Illustrator

Photoshop

InDesign

EXPERIENCE

Stryker Endoscopy

San Jose, CA

Manufacturing Engr. Intern June 2017 - August 2017

- Built fixture for athroscopic 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

Sunnyvale, CA

Program Management Intern June 2016 - August 2016

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

Stanford Student Space Initiative

Stanford, CA

Balloons Team Member September 2015 - June 2016

- Engineered payload system for near-space balloon missions
- Built avionics consisting of microcontrollers and sensors

Wick-It

Stanford, CA

Design Team Member February 2016 - June 2016

- Designed and prototyped medical device for reducing the incidence of ventilator-associated pneumonia
- Collaborated with Stanford Hospital staff to refine design

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
- Programming Abstractions, Computer Organization & Systems, Design & Manufacturing, Introductory Electronics, Statics, Thermodynamics, Vector Calculus, Statistics & Probability

LEADERSHIP

Stanford Humans vs. Zombies

Stanford, CA

Organizer & Financial Officer March 2016 - Present

- Design gameplay mechanics for multi-day recreational event for over 300 students
- Conduct marketing, financial, and logistical duties