Taylor Hirakawa Mau

(808)234-3305   taylor.mau808@gmail.com

An Industrial Designer with demonstrated experience working on a variety of physical products who brings positivity and a genuine curiosity to learn. With my additional background in Computer and Electrical Engineering, I can bring your products into reality!

EXPERIENCE

🌐 tmau.me

in /in/taylormau

CREATIVITY   JULY 2019- OCT 2020
TOY PRODUCT DESIGNER AND ENGINEER, REDWOOD CITY, CA

- Designed and executed innovative toys encompassing all aspects of the invention process from concepting and sketching to hardware and software development

- Directed and producing videos of prototypes that are showcased at all of the major toy fairs around the world

- Developed software and hardware for global toy brands

OCEANIT SOFTWARE ENGINEERING INTERN, HONOLULU, HI   MAY 2018- AUG 2018

- Developed an object tracking program with a simple, well-designed GUI that allowed users to select the tracked object and easily input parameters using OpenCV and PyQt5

SANTA CLARA UNIVERSITY RESEARCHER, SANTA CLARA, CA   JULY 2017- SEPT 2017

- Designed an energy efficient microgrid controller to combine a photovoltaic system and a fuel cell generator to help homeowners easily implement this solar powered system in their homes

APPLE SOFTWARE ENGINEERING INTERN, CUPERTINO, CA   JUNE 2016- SEPT 2016

- Created a computer vision iOS application to classify and track objects in real time with deep neural networks using TensorFlow and OpenCV

EDUCATION

OFFSITE - INDUSTRIAL DESIGN CERTIFICATE   DEC 2020

- A 12-week online Industrial Design program preparing students for the work place through the instruction of industry leaders

CARNEGIE MELLON UNIVERSITY, PITTSBURGH, PA   GPA: 3.83/4.0   MAY 2019

- Master of Integrated Innovation for Products and Services

SANTA CLARA UNIVERSITY,SANTA CLARA, CA PA   GPA: 3.62/4.0   CUM LAUDE   JUNE 2018

- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Computer Science and Engineering
- Minor: Technical Innovation, Design Thinking, and the Entrepreneurial Mindset

AWARDS

IMPACT-A-THON DESIGN CHALLENGE - FIRST PLACE   MAR 2019
HACK-A-STARTUP - CEO & FIRST PLACE   NOV 2018
OUTSTANDING COMPUTER ENGINEERING SENIOR AWARD   JUNE 2018
BRIAN DROCCO AWARD (SUSTAINABILITY)   JUNE 2018

Skills

SOFTWARE SKILLS:

Fusion360
KeyShot
Adobe Suite
Procreate
Arduino
Machine Learning
Computer Vision
iOS Programming
HTML
CSS

RAPID PROTOTYPING

Laser Cutting
3D Printing
PCB Design

PROGRAMMING LANGUAGES:
C
C++
Python

Leadership

PRODUCTLAB

Vice President of Engineering
OCT 2018-MAY 2019

PRESIDENT

Maker Club
MAY 2016-JUNE 2018

TEAM LEAD

Stanford D-school
University Innovation Fellows
OCT 2017-APRIL 2018